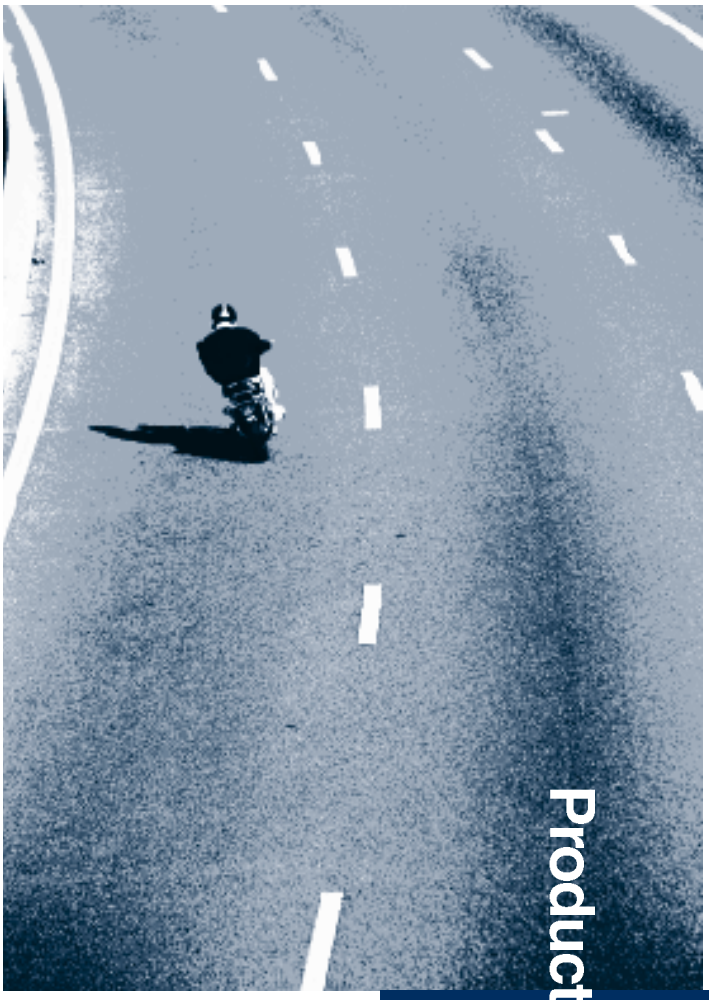
McTrans™ Center for Microcomputers in Transportation



Products 1999-2000 Catalog

UNIVERSITY OF FLORIDA

Transportation Research Center
512 Weil Hall,PO Box 116585
Gainesville FL 32611-6585
(352) 392-0378
Messages 1-800-226-1013
Fax (352) 392-3224
Email mctrans@ce.ufl.edu
http://mctrans.ce.ufl.edu/

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Welcome to Mc*Trans* (Center for Microcomputers in Transportation), a software distribution and user support center. Our goal is to serve as the nation's primary center for technical support and distribution of highway transportation and transit software. With a staff of experts in a wide range of specialties, Mc*Trans* fields inquiries on a variety of subjects, such as: what programs are available for your needs,which computer should be purchased to run your software, and help with specific programs.
As a support center, we learn about what software others are using and hear about programs that you are looking for. Feel free to call Mc*Trans* with your questions, or visit our website. This catalog is updated annually, with quarterly updates in the Mc*Trans* Newsletter. Both can be obtained free on request.

Mission To serve our national and international membership and the transportation profession by finding, delivering and supporting surface transportation software of the highest quality for engineers, planners, and other transportation professionals.

Information Access

Web: http://mctrans.ce.ufl.edu
E-mail: mctrans@ce.ufl.edu
Fax: (352) 392-3224
Messages: 1-800-226-1013
Telephone: (352) 392-0378

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Jesse Wolbert Program Assistant	**239**	Orders & new product status Contracts & licenses
Debbie Escalera Order Processing	**242**	Order & shipment status Software registration & invoices
David Hale Technical Assistant	**240**	Traffic software technical assistance TRANSYT-7F, PASSER, NETSIM
Ahmet Dogan Technical Assistant	**238**	Hydraulic software technical assistance HYDRAIN, HEC, HY-8, WSPRO

Links Menu

1 Full Technical and Maintenance Support

McTrans provides full technical support of the application and provides software maintenance, for which the cost of maintenance is user-supported. Our support at LOS 1 assures users of the following: Immediate notification of any serious bug discovered in a supported, maintained program;Free replacements of program modules (and documentation) which are updated to correct bugs; Periodic User Notes for useful information;Discounted upgrades when major new releases are issued. This software is maintained by McTrans or the developer, thus the mechanism for correcting bugs and implementing other enhancements is in place and responsive to immediate needs.

2 Technical and Update Support

This is software for which McTrans provides technical support and free updates (but not major upgrades).

3 Limited Technical Support

This is usually public domain software for which McTrans serves as the distributor. McTrans provides limited "first line" technical assistance in its use.

4 Freeware/Shareware/User Supported

This is generally copyrighted software offered by McTrans to the membership. It is referred to as "freeware," "shareware" or "user-supported" by various developers. McTrans offers no support for software in this category, but support usually can be obtained from the developer for a registration fee.
Registration of shareware with the developer usually is required if the program is placed into actual use.

5 Unsupported

This is useful public-domain software that McTrans makes available at a nominal fee. However, no one, McTrans or the developer, provides any support. You're on your own.

6 Proprietary Software, McTrans Distributed

This is privately developed software distributed by McTrans, for which a royalty is paid to the developer. The developer provides the technical support.

7 Proprietary Software, Developer Distributed

This is privately developed software for which a royalty is paid to the developer. Software at this level is distributed by the developer and all support is provided by the developer.

Guide to Software Codes

ACAD	AutoCAD
dBn	dBASE n
EXC	Microsoft EXCEL
IB	Interpreted BASIC
L123	Lotus 1-2-3
MSTAT	MicroStation
(SI)	Source code included
WIN	Windows 3.x
W95	Windows95 & NT
PP	Microsoft PowerPoint

McTrans Products

Highway Engineering	Construction Management
	Highway Design
	Hydraulics
	Pavements
	Surveying
Traffic Engineering	Capacity Analysis
	Data Processing
	General Traffic
	Safety and Accident Records
	Signal Timing and Warrants
	Simulation and Analysis
	Traffic Maintenance
Transit	Operations
	Planning
Transportation Planning	Data Processing
	Demand Modeling
	Network Assignment
	Project Management
	Site Analysis
General Interest	Administration
	Miscellaneous

Highway Engineering Construction Management

Daily Report System
Daily Report System (DRS) provides for manual input of load ticket data at the job site by inspectors for materials hauled. Ticket numbers and weights can be entered from tickets or forms, or from an ASCII data file. It computes the sum of the ticket weights and splits the total weight into components based on percentages or makes moisture corrections.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 5
Product Number:DRS
Price:$5

Easy Project, Ver. 3.6
Easy Project is an easy-to-learn method for project management. The data entry process is fast with multiple resource assignments for each task. An on-line help facility provides assistance during program use. Easy Project provides automatic scheduling for easy analysis of project track and produces Gantt charts showing planned and actual dates on variable scales.

Operating System:IBM/MS-DOS 2.1+
Level Of Support: 4
Product Number:EZPROJ
Price:$5

Estimax for Windows, Ver.1.0
Project records management software for owners and contractors monitoring an awarded contract. Serves as a quick estimating tool. Easy setup of a project with the general contact items database which can be accessed by other database engines. Print signature ready contracts.

Operating System:IBM PC/3.1+ (Windows 3.x,95 or NT)
Level Of Support: 7
Product Number:ESTMAX.WIN
Price:$975

GANTT, Ver. 1.3 and SCHEDULE, Ver. 1.2
GANTTwill produce a Gantt chart for quick evaluation of the progress of a project. A sample template is provided. SCHEDULE provides a system which allows task and resource modeling to be done independently of start and end times. Critical Path Method (CPM) and Program Evaluation and Review Technique (PERT) are used to establish scheduling priorities.

Operating System:IBM/MS-DOS 2.1+
Level Of Support: 4
Product Number:GANTT
Price:$5

North Dakota Materials Management System, Ver. 4.0
NDMMS was developed to maintain an inventory of road materials. It can also be used to maintain inventories of other supplies as well, such as fuel, shop supplies, etc. The system allows for defining the materials or items to be inventoried, accepts an initial inventory of specified materials, and maintains continuous inventory quantities.

Operating System:IBM PC/MS-DOS 3.3+, dBASE III+ or IV
Level Of Support: 3
Product Number:NDMMS
Price:$50
Documentation Product Number: NDMMS.D
Price:$5

North Dakota Roadway Management System
NDRMS was developed for county highway and city street departments as a first step toward a more structured roadway management process. Levels of severity for each type of pavement distress are recorded from field inspections. The pavement distress and gravel condition data are entered and the program calculates an overall condition score for each section and segment.

Operating System:IBM PC/MS-DOS 3.3+, dBASE III+ or IV
Level Of Support: 3
Product Number:NDRMS
Price:$40
Documentation Product Number:NDRMS.D
Price:$5

PC-Project, Ver. 1.1
PC-Project is a project management software package that provides essential assistance in managing projects and meeting deadlines. It is menu driven and provides screens for on-line help. The program allows naming of tasks and resources for easy identification. The critical path is shown to permit the oversight of schedule, costs and delays. Bar chart is available.

Operating System:IBM/MS-DOS 2.1+
Level Of Support: 4
Product Number:PCPROJ
Price:$5

WINsched
WINsched is an Estimating, Contractor Payment & Contract Status Program. It can prepare Project Pay Item Lists for estimates, bid schedules, automatic calculation of project contingencies and small job add-ons based on user defined percentages. Prepares electronic bidding filed for fill-in and printout by bidders. Tracks dollar amount and percentage of completed work to date by line item.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:WINSCH
Price:$195

Highway Engineering Highway Design

Beam Analysis Program
Windows application that solves for the reactions, shears, moments and deflections for continuous beams. Beam can have changes in cross section along its length and internal hinges. Point loads and distributed loads can be applied to the beam. Program has an interactive help file. All info, including graphics, can be printed.

Operating System:IBM PC/MS-DOS 3.1+ and Windows
Level Of Support: 4
Product Number: BAP
Price:$10

BERM, Ver. 1.0
BERM is a program for the structural design of roadway shoulders. Both flexible and rigid shoulders can be designed and the shoulders can be adjacent to either rigid or flexible pavements. The inner and outer edges are designed using fatigue distress functions and stress/strains resulting from encroaching and parked vehicles.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 5
Product Number:BERM
Price:$5
Documentation Product Number:BERM.D
Price:$25

BRCOM
BRCOM for Bridge Analysis and Rating will analyze bridge super structures including up to three continuous spans. The program was developed to help agencies analyze and rate highway bridges on local road systems. Structural types include timber, voided slab, reinforced concrete beams and slabs, and prestressed concrete and steel girders.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:BRCOM
Price:$45
Documentation Product Number:BRCOM.D
Price:$10

BRICK
BRICK (Bridge design package) assists the bridge engineer in the analysis and design of highway bridges. The programs follow AASHTO specifications 14th edition and provide user-friendly interfaces with spreadsheet-like cells for input data in the interactive mode, and an ASCII file format with predefined descriptors for input data in the batch mode.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 7
BRICK:Complete package of all modules below
Product Number:BRICK
Price:$12,930
GEPO:Computes the geometry of the bridge
Product Number:GEPO
Price:$1,230
REST: Design and analysis of concrete substructures
Product Number:REST
Price:$1,230
PIER:Design and analysis of concrete piers

Product Number:PIER
Price:$1,730

DECK:Design and analysis of concrete bridge slabs
Product Number:DECK
Price:$1,200

STEB:Design and analysis of steel plate bridges
Product Number:STEB
Price:$2,890

PRES:Design/analysis of prestressed concrete bridges
Product Number:PRES
Price:$2,670

BEAR:Design and analysis of elastomeric bearings
Product Number:BEAR
Price:$1,050

SPLICE:Design and analysis of field splices
Product Number:SPLICE
Price:$1,050

FATIG:Rolled beam fatigue analysis
Product Number: FATIG
Price:$690

RATE:Rates steel girders
Product Number:RATE
Price:$1,050

RECO:Design and analysis of reinforced concrete beams
Product Number:RECO
Price:$550

RECOCO:Design/analysis of reinforced concrete columns
Product Number:RECOCO
Price:$650

CORB:Design/analysis of reinforced concrete corbels
Product Number:CORB
Price:$1,250

BRIDGE Restraint Moments/Live Loads Ver. 1.0

BRIDGE Restraint Moments and BRIDGE Live Loads are programs that calculate the time-dependent forces and moments in simple-span, precast, prestressed bridge girders made continuous. BRIDGERM predicts the restraint moments at redundant supports of bridges, while BRIDGELL calculates the maximum span moments. Example data input and output files are also included on the disk.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:BRIDGE
Price:$40
Documentation Product Number:BRIDGE.D
Price:$5

CBEAR

CBEAR analyzes the bearing capacity of shallow foundations. It can analyze strip, rectangular and square footings. It also considers the effects of embedment, inclined and eccentric loads, sloping ground surface and surcharge. The CBEAR incorporates the general bearing capacity equations suggested by Meyerhopf and Vesic.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 5
Product Number:CBEAR
Price:$5
Documentation Product Number:CBEAR.D
Price:$10

COM624P

COM624Pis for the analysis of stresses and deflection of piles or driller shafts under lateral loads. It is based on the widely-used p-y curve method and solves equations giving pile deflection, rotation, bending moment and shear using iterative procedures because of the nonlinear response of soil. It provides a user-friendly, menu-driven input and a graphics output.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 3
Product Number:COM624P
Price:$5
Documentation Product Number:COM624P.D
Price:$25

Datasets for Standard Small Sign Support Hardware

Datasets containing the materials incorporated in the 1997 publication, A Guide to Standardized Small Sign Support Hardware in CAD and word-processor formats. Published jointly by AASHTO, ARTBAand AGC. Contains drawings and specifications for proprietary and non proprietary small sign support hardware.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 5
Product Number:GSSH
Price:$30

DILLY, Ver. 1.1

DILLY is comprehensive program which reduces data for dilatometer tests and calculates settlements of footings or embankments. DILLY is menu driven with full screen editors for the creation and editing of input files, which contain data conversion checks. Documentation is included.

Operating System:IBM PC/MS-DOS 3.0+
Required:Hard disk
Level Of Support: 1
Product Number:DILLY
Price:$300

Driven Version 1.0

DRIVEN is a program for determining ultimate vertical static pile capacity. It has been completely rewritten from the ground up, but its legacy lies in the SPILE program. DRIVEN will calculate pile capacities at predetermined depth intervals. This allows the user to find the pile capacity as a function of depth. New features include: multiple water tables, soft compressible soils/negative skin friction, scourable soils, open end pipe piles, capacities for three different conditions, tabular and graphical output format, and English and SI units.

Operating System: MS Windows 3.1+
Level Of Support: 3
Product Number: DRIVEN
Price: $50
Documentation Product Number:DRIVEN.D
Price:$10

Evaluation of Cross-Section Design

ECSD11 automates the manual evaluation process published in the Safety Cost-Effectiveness of Incremental Changes in Cross-Section Design — Informational Guide. It is used as a method of calculating and comparing various costs and safety benefits that would be expected from certain cross-section improvements on two-lane rural roads.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 3
Product Number:ECSD
Price: $40
Documentation Product Number:ECSD.D
Price:$5

EMBANK, Ver. 2.0

EMBANK determines one-dimensional compression settlement due to embankment loads. For the case of a strip symmetrical vertical embankment loading, the program superimposes two vertical embankment loads. For the increment of vertical stresses at end of fill, the program internally superimposes a series of ten rectangular loads to create the end-of-fill condition.

Operating System:IBM PC/MS-DOS 4.0+
Level Of Support: 3
Product Number:EMBANK
Price: $40
Documentation Product Number:EMBANK.D
Price:$10

Interactive Computer Assisted Highway

The Interactive Computer Assisted Highway Design (ICAHD) program is a comprehensive, user friendly software program for designing rural highways on a microcomputer.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:ICAHD
Price:$2500

KwikSOFT

KwikSOFTBridge Design Utilities - Series One is a collection of routines to aid the Bridge Engineer in a number of common design computations. The Windows and Windows95 based programs comprise this first in a series of bridge utilities.

Operating System: IBM PC/MS-DOS 3.1+ and Windows
Level Of Support: 7
Product Number: KSBDS
Price:$75

PC-BRIDGE, Ver. 2.60

PC-BRIDGE is a continuous beam structural analysis program for bridges with stationary or moving loads featuring moment, shear and deflection envelopes or diagrams.

Operating System: IBM PC/MS-DOS 2.0+
Level Of Support: 4
Product Number:PCBRIDGE
Price:$5

PC-SEEP

PC-SEEPis a finite element program for seepage analysis. It can be used to analyze seepage problems varying from simple confined steady-state flow to complex transient saturated-unsaturated flow through homogeneous or non-homogeneous materials and calculates pore-water pressures, hydraulic head and gradients, velocities and more.

Operating System: IBM PC/MS-DOS 2.1+
Level Of Support: 7
Product Number:PCSEEP
Price: $2175

PC-SLIN

This is a data reduction program for slope inclinometers. Readings may be input either manually through an interactive front end program or downline loaded when data is recorded on a RPPmodel slope indica-

tor. Next calculations in deflection and change versus depth are accomplished quickly and efficiently.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 7
Product Number:PCSLIN
Price:$915

PC-SLOPE

PC-SLOPE is a flexible slope stability program which uses the limit equilibrium theory to solve for the factor of safety of earth or rock slopes. Some of the features include: circular, composite and specified slip surfaces, multiple methods for entry of pore pressures, simulates berms, surcharges, line loads, cracks and more.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 7
Product Number:PCSLOPE
Price:$1975

PC-STRAN, Ver. 5.02

PC-STRAN is a 1-, 2- or 3-dimensional structural analysis tool for member structures, including load, shear, moment, slope and deflection diagrams.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 4
Product Number:PCSTRAN
Price:$10

PIZER EARTH

PIZER EARTH is a powerful and flexible earthwork cut and fill calculator for Windows 95/NT. It determines volumetric qualities for roadways borrow pits, trench excavations, parking lots, retaining walls, etc, using either the Average End Area Method or a modified Prismatic Method. EARTH is a stand-alone application that integrates with industry standard CAD programs.

Operating System:MS Windows 95/NT
Level Of Support: 7
Product Number:PEARTH.W95
Price:$500

Pile Load Settlement Analysis, Ver. 1.1

Pile Load Settlement Analysis from Insitu Data is a program for quantifying capacities and predicting settlements in foundation systems. PL-AID was developed to perform these analyses from standard penetration tests (SPT) and Electric Cone Penetrometer Test (ECPT) data. The soil is classified from CPTdata and SPT-CPTcorrelation are presented.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 1
Product Number:PLAID
Price:$500

PPLAN-6R

PPlan enables user to perform static analysis of 2-D frames, with capacity up to 800 joints and 1500 members. It can automatically generates 2-d frame topologies. The program can be used for spring supports, displacements, applied or thermal loads and total or partial release of joints. Graphic display of loads, deflected shape and influence lines can be achieved.

Operating System:IBM PC/XT/AT/PS2
Required:1 MB Hard disk.
Level Of Support: 6
Product Number:PPLAN
Price:$75

Reinforced Slope Stability

RSS analyzes and designs soil slopes strengthened with horizontal reinforcement, as well as analyzing unreinforced soil slopes. The analysis is performed using a two dimensional limit equilibrium method. The program uses an extensively modified version of the STABLcomputer program and guidelines for design of soil reinforcements as stated in Elias and Christopher (1996) and Christopher et al. (1988 and 1990).

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 5
Product Number:RSS
Price:$5
Documentation Product Number:RSS.D
Price:$10

SAF-1

SAF-1 computes one-dimensional compression vertical settlement for pile foundation analysis and design under various load conditions. The program uses equations presented by Lambe & Whitman (1969), Ladd (1973) and Pou & Davis (1974). The user's manual includes the equations and analytical procedures and examples of the user friendly data entry form capabilities.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:SAF
Price:$750

SET-SAND, Ver. 1.0

SET-SAND is an interactive program which calculates the settlements beneath a shallow foundation in cohesionless, granular soils. The program will prompt the user for soil characteristics for each layer from the surface down, specifying either English or Metric units. Documentation is included.

Operating System:IBM PC/MS-DOS 3.0+
Required: BASIC
Level Of Support: 1
Product Number:SETSAND
Price:$50

SHAFT

A template for data reduction from drilled shafts load tests which analyzes data collected in load tests of deep foundations. The data required include shaft properties, load-settlement responses and instrument readings for the loads. The program results include axial load distribution in the shaft, load transferred to soil and curve points at several elevations.

Operating System:IBM PC/MS-DOS 3.0+
Required:Lotus 1-2-3
Level Of Support: 1
Product Number:SHAFT
Price:$200

SHAFTUF

SHAFTUF is a computer program for estimating the axial load capacity of drilled shafts using the FHWA method, with modifications to allow the evaluation of drilled shafts tipped in rock. Data can be coded interactively of by reading previously created data files.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 1
Product Number: SHAFTUF
Price:$200

SPUI GEOMETRY

SPUI (Single Point Urban Interchange) Geometry is a user friendly spreadsheet template. It is an aid in cost-effective SPUI design based on the mathematical relationships of the SPUI's complex geometry. Bridge length and all-red clearance interval time, two of the most controversial components of a SPUI design, are calculated by the spreadsheet.

Operating System:IBM PC/MS-DOS 3.3
Required:Lotus 1-2-3 R2.2,or Quattro Pro 3.0
Level Of Support: 3
Product Number:SPUI
Price: $40

SPILE, Ver. 2.0

SPILE determines the Ultimate Vertical Static Capacity of piles in cohesive and cohesionless soils. The program uses equations, analytical procedures and empirical curves consistent with the FHWA Pile. The manual uses friendly input menus and data-checking routines.

Operating System:IBM PC/MS-DOS 4.0+
Level Of Support: 3
Product Number: SPILE
Price:$40
Documentation Product Number:SPILE.D
Price:$10

Traffic Barrier Hardware Datasets

TBHD contains the materials incorporated in the 1995 publication of A Guide to Standarized Highway Barrier Hardware, and it is available in CAD and wordprocessor format. Those datasets are useful in updating design, installation or maintenance practices. The drawings for the hardware and systems were produced with Intergraph Microstation Ver. 5. The text specifications were produced using WordPerfect 5.1.

Level Of Support: 5
Product Number:TBHD
Price: $20

WEAP87

WEAP87 simulates a foundation pile under the action of an impact pile driving hammer. Inputs include: pile length, skin friction and soil parameters. Hammer data is entered directly or from a preprepared hammer data base that can be modified by the user. It computes blow count, axial stress, energy transfer to the pile, bearing capacity and residual stress.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 5
Product Number:WEAP
Price: $5
Documentation Product Number:WEAP.D
Price:$35

Highway Engineering Hydraulics

ASHDRAIN
ASHDRAIN is for the design of inlets and drainage networks. It assists in selecting locations of inlets along a curbed street, based on the restrictions imposed by the allowable spread on the pavement surface. The program also analyzes and/or designs a drainage network consisting of pipes (of any material), rectangular or trapezoidal ditches and basins.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:ASHDRAIN
Price:$165

BASINOPT
BASINOPTminimizes detention basin volume and surface area using a hydraulic routing optimization technique. It eliminates inefficient trial and error design approaches and minimizes excavation and real estate costs. BASINOPTallows the specification of the maximum allowable outflow from the pond and a maximum allowable water surface elevation for up to six inflow hydrographs simultaneously, and then designs the pond contours and structure dimensions.

Operating System:MS Windows95
Level Of Support: 7
Product Number: BASINOPT
Price:$1,235

BASINOPT SIMULATION ADD-IN
The BASINOPTSIMULATION ADD-IN extends the functionality of the BASINOPT, allowing the complete specification of the outlet structure dimensions and pond geometry for up to 10 structures with a user-specified stage- area relationship, or an unlimited number of structures with a user-specified stage-area discharge relationship.

Operating System:MS Windows95
Level Of Support: 7
Product Number: SIMULA
Price:$400

BOXCAR, Ver. 1.0
BOXCAR is for the structural analysis and design of reinforced concrete box sections. The program has user friendly input routines requiring only minimal computer experience. It completes structural analyses for loads due to box weight, soil weight, internal gravity fluid weight, live loads and user specified surcharge loads.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 1
Product Number:BOXCAR
Price:$125
Documentation Product Number:BOXCAR.D
Price:$25
Supplemental Documentation Product Number:BOXCAR.DS
Price:$25

BRI-STARS, Ver. 3.3
The BRIdge Stream Tube model for Alluvial River Simulation (BRI-STARS) is a semi-two-dimensional model capable of computing alluvial scour/deposition during subcritical, supercritical, and combinations of both flow conditions involving hydraulic jumps. It is capable of simulating channel widening/narrowing phenomenon as well as local scour due to highway encroachment.

Operating System:DOS 5.0+
Level Of Support: 1
Product Number:BRISTARS
Price:$100
Documentation Product Number:BRISTARS.D
Price:$25

CAHH DOS Programs
This program is a package of specialized hydrology and hydraulics programs for statistical frequency analysis, SCS based rainfall runoff modeling, detention pond design, open-channel flow profile computations, trapezoidal channel section design and analysis, FHWA HEC-15 computations and an award winning time concentration program.

Operating System:MS Windows 95
Level Of Support: 7
Product Number:CAHH
Price:$485

CANDE-89
CANDE-89 is the Culvert ANalysis and DEsign package for structural analysis and design of buried culverts and other soil structure systems. Variety of buried structures are considered, including corrugated steel and aluminum pipes, long span metal structures, reinforced concrete pipes, concrete box culverts and structural plastic pipes.

Operating System:IBM PC/MS-DOS 3.2+
Level Of Support: 5
Product Number:CANDE
Price:$5
Documentation Product Number:CANDE.D
Price:$20
Source Code Product Number: CANDE.S
Price:$5

CANDE-POST
CANDE-POST is a simple post processor for CANDE-89. It allows display of original soil mesh, mesh deformation, nodal displacement vector, soil principal stresses and stress field, stress level or failure elements for soil using the Duncan model and stress contour.

Operating System:IBM PC/MS-DOS 3.3+
Level Of Support: 7
Product Number:CPOST
Price:$300

CANPRO, Ver. 1.2
CANPRO is a CANDE-89 preprocessor for creating and editing data files. It is an interactive, menu-driven system designed to minimize problems associated with the preparation of CANDE-89 input data. CANPRO uses interactive interviewing techniques to gather the necessary data from the user. It then produces an external data file according to CANDE-89 format requirements.

Operating System:IBM/MS-DOS 3.2+
Level Of Support: 6
Product Number:CANPRO
Price:$80

CHANNEL
The CHANNELprogram is an open channel hydraulics design and analysis program. Modules include erodible, non-erodible, flexible (FHWA HEC-15) and channels bend routines. This program is part of the Computer-Aided Hydrology & Hydraulics (CAHH) program series for Windows.

Operating System:MS Windows 95
Level Of Support: 7
Product Number:CHANNEL
Price:$585

CODEH2 Expert System for HEC-2, Ver. 3.59
CodeH2 creates the data input file for HEC-2 from raw unreduced survey and office data using free format database comprised of full English word commands. It can be used as a cross section generator or a complete expert system for a flooding source, and creates all HEC-2 data cards for channels, bridges, culverts and dams.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 6
Product Number:CODEH2
Price:$695
Demonstration Product Number: CODEH2.DEM
Price:$10

Culvert Analysis (HY-8)
Culvert Analysis (HY-8) assists in the design of culverts by automating the methods described in the FHWA Hydraulic Design Series and is intended for a design and performance evaluation. It takes culvert shapes, culvert materials and inlet types and generates the hydrograph, analyzes the culvert and routes the hydrograph through the system. Also analyzes energy dissipators.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 2
Product Number:HY8
Price:$125
Documentation Product Number:HY8.D
Price:$40
Version 6.0 Upgrade
Product Number:HY8.UPG
Price:$25

CULVERT4
Culvert4 uses the Caltrans (California DOT) culvert corrosion criteria included in the California Highway Design Manual. Culvert materials addressed include Corrugated Steel Pipe, Corrugated Aluminized Steel Pipe, Corrugated Aluminum Pipe and Reinforced Concrete Pipe. It also addresses coating materials.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 6
Product Number: CULVERT4
Price:$50

CulvertMaster for Windows
CulvertMaster designs and analyzes roadway and embankment culverts using methodology found in FHWA's HDSmanual Hydraulic Design of Highway Culverts. Program can model all standard sizes, shapes and materials. Automatically computes roadway and embankment overtopping. Provides the ability to mix and match English and metric units in the input and output.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:CULVMSTR.WIN
Price:$495

CYBERNET, Ver.2.18
CYBERNETis an AutoCAD-based water distribution network model that allows you to construct a pressure system graphically and then solve the

hydraulics using the embedded KYPIPE-3 algorithms. Ability to visually lay out the network-element by element. Computes available fire flows on a system-wide basis. Can import data from most other water distribution programs.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:CYBERNET
Price:$195

Drainage Requirements In Pavements

DRIPis a Windows based microcomputer program that contains all key drainage design elements and provides graphical displays of computations and results. The program performs drainage design for flexible and rigid pavements and retrofit edge drains. It also calculates the time-to-drain and depth-of-flow in the drainage layer, and performs separator layer, geotextile , edge drain, and geocomposite fin drain designs.

Operating System:Windows 3.1+
Level Of Support: 3
Product Number: DRIP
Price:$40
Documentation Product Number:DRIP.D
Price:$10

DBRM Model (Drainage Basin Runoff)

DBRM Model contains two variations of an interactive computer model for the computation of a hydrograph of runoff from a complex basin. Package contains a computer program for computing time of concentration, the peak flow rate and time to peak of a unit hydrograph or a basin or subbasin. Both metric and English unit versions are available.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:DBRM
Price:$175
Metric Product Number:DBRM.M
Price:$175

EASy Engineering Analysis System

EASy allows users a batch input style for analysis programs to build data sets, run analyses and view results. It creates X-Ygraphs from data and allows data sets of up to 10,000 lines. Predefined help is provided for HEC-1, HEC-2, HYDRA, HYDRO, HYCHL, HYCLV and WSPRO. A graphics library is also included to generate graphs from within the analysis programs.

Operating System:IBM PC/MS-DOS 3.3+,
Level Of Support: 6
Product Number:EASY
Price:$150

Finite Element Surface Modeling System, Ver. 1.0

FESWMS-2D is a modular set of programs which simulates surface water flows where the flow is essentially two dimensional in the horizontal plane. The programs have been developed to analyze flow at bridge crossings where complicated hydraulic conditions exist, but may be applied to several types of steady or unsteady two dimensional surface flow problems.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:FESWMS
Price:$70
Documentation Product Number:FESWMS.D
Price:$25
Supplemental Documentation Product Number:FESWMS.DS
Price:$25

Formed in Place Pipe

Formed in Place Pipe provides design solutions for relining existing pipe, whether partially or fully deteriorated, with HDPE, PVC or RITliners (Trenchless Technology). Help screens contain design information from sources such as ASTM, AWWA and AASHTO. The Users Manual gives complete detailed program contents description and detailed use instructions.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:FIPP
Price:$225

HEC-1, Ver. 4.1

HEC-1 is designed to simulate the surface runoff response of a river basin to precipitation by representing the basin as an interconnected system of hydrologic and hydraulic components. Representation of a surface runoff entity, a stream channel or reservoir requires parameters which specify par- ticular characteristics of the component. HEC Data Storage System interface

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 2
HEC1.GSS:with GSS Drivers
Product Number:HEC1.GSS
Price:$160
HEC1:without GSS Drivers
Product Number:HEC1
Price:$95
Documentation Product Number:HEC1.D
Price: $45

HEC-2, Ver. 4.6.2

HEC-2 is capable of computing water surface profiles for steady, gradually varied flow in natural or manmade channels. Both subcritical and supercritical flow profiles can be calculated. The effects of various obstructions such as bridges, culverts, weirs and structures in the flood plain may be considered in the computations. Culvert analysis by FHWA guidelines in HDS5.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 2
Product Number:HEC2
Price:$95
Documentation Product Number:HEC2.D
Price:$30

HEC-RAS, Ver. 2.2

HEC-RAS (HEC-RAS River Analysis System) has been upgraded with many new featues and modifications. Users now have the capability to model adverse sloping culverts, perform bridge scour computations, import stream-system schematic information and cross-section data from GIS/CADD systems, and more. Several minor bugs have been fixed since the version 2.0 release.

Operating System:MS Windows95
Level Of Support: 2
Product Number:HECRAS
Price:$125
Documentation Product Number:HECRAS.D
Price: $30

HEC-12 Pavement Drainage

HEC-12 Pavement Drainage uses the methodology and equations from the FHWA Hydraulic Engineering Circular No.12 The program calculates spread and depth for any curb and gutter and composite cross-section, calculates interception rates for catch basins and contributes the bypass from one catch basin to the next one downstream.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 7
Product Number:HEC12
Price:$350
Demonstration Product Number:HEC12.DEM
Price:$5

HEC-HMS Version 1.1

The Hydrologic Modeling System (HEC-HMS) version 1.1 supersedes HEC-1 and provides a similar variety of options for simulation precipitation-runoff processed. In addition to unit hydrograph and hydrologic routing options, capabilities include a linear distributed-runoff transformation that can be applied with gridded (e.g., radar) rainfall data, a simple “moisture depletion” option that can be used for simulations over extended time periods, and a versatile parameter optimization option. HEC-HMS is comprised of a graphical user interface, integrated hydrologic analysis components, data storage and management capabilities, and graphics and reporting facilities.

Operating System: MS Windows 3.1+
Level Of Support: 2
Product Number: HECHMS
Price: $75
Documentation Product Number:HECHMS.D
Price:$20

HYDGEN

HYDGEN for Windows is a program which generates Watershed hydrographs. It allows the user to create pollutographs, rainfall files, watershed files, hydrographs, flow files, import rainfall data, print, plot, and copy all data, results and plots to the clipboard.

Operating System:MS Windows 3.0+
Level Of Support: 4
Product Number:HYDGEN
Price:$5

HYDRAIN, Ver. 6.1

HYDRAIN is a collection of programs integrated by a system shell designed to assist highway engineers with routine drainage related computations. It includes following programs: HYDRO for rainfall and runoff analysis, HYDRAfor storm and sewer systems, HYCLV and HY8 for culvert analysis and design, WSPRO to compute water surface profiles, and HYCHLfor channel liner design

Operating System:IBM PC/MS-DOS 3.1
Level Of Support: 1
Product Number:HYD6
Price:$350
Upgrade from Ver. 6.0
Product Number:HYD6.UPG
Price:$50
Documentation Product Number:HYD6.D
Price:$50
Nationwide Flood Frequencies
Product Number:HYD.DS
Price:$25

HYDROCAD, Ver 4.5

HydroCAD is a Computer Aided Design system for modeling the hydrology and hydraulics of stormwater runoff. HydroCAD maintains an on-screen ROUTING DIAGRAM for each watershed showing all subcatchments, reaches and ponds. An underlying database describes each item in detail, such as the area, slope and length of each subcatchments.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 7
10 Structures
Product Number:HCAD10
Price:$395
20 Structures
Product Number:HCAD20
Price:$595
40 Structures
Product Number:HCAD40
Price:$795
90 Structures
Product Number:HCAD90
Price:$995
200 Structures
Product Number:HCAD200
Price:$1195

Hydrology & Hydraulics for Stormwater Management Manual

This manual covers in detail the hydraulic and hydraulic procedures used in the design of new stormwater management systems for developments and highway projects and for the analysis and upgrade of existing municipal stormwater management systems.

Documentation Product Number:HHSME.D
Price:$85

Hydrogen Sulfide

HS (Hydrogen Sulfide) predicts the rate of hydrogen sulfide generation and any resulting corrosion in concrete pipes. The user inputs basic data for each section and the program calculates all hydraulic characteristics, predicts the possibility of sulfide generation, and determines outflow sulfide concentrations and the resulting corrosion rate and life factor.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 6
Product Number:HS
Price:$45
Documentation Product Number:HS.D
Price:$15
Supplemental Documentation Product Number:HS.DS
Price:$20

HYDROpac

HYDROpac is a comprehensive storm drainage design package for site, subdivision and roadway design including all computational routines needed for storm drainage design, sediment basin sizing and detention basin sizing. It offers numerous features and has easy-to-use menus. You can transfer storm sewer profiles and hydraulic gradients to AutoCAD.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 6
Product Number:HPAC
Price:$95

HY-EDIT

HY-EDITis similar in operation to HYDRAIN, a system of hydraulic and hydrologic engineering programs (hydrology, storm drains, culverts, WSPRO, and channel liner evaluation and design). HY-EDIT includes a full screen text editor which allows the user to create/edit input files, review files, make runs, and print outputs.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 6
Product Number:HYEDIT
Price:$50

HYPERCALC

HYPERCALC is a Windows utility for converting between Metric and English units. Metric units for design speed, lane width, side clearance, vertical clearance, curbing, structures, sight distance, horizontal and vertical curves are included. Solutions in both units for common equations such as Darch-Weisbach, Hazen-Williams, Mannings, and Rational Method are supplied.

Operating System:IBM PC/MS-DOS 5.0+ and Windows
Level Of Support: 4
Product Number:HYPERCALC.WIN
Price:$5

HYTB

HYTB is a new document that consists of HEC-14 & HEC-15. It does not include any software. HY-TB software will no longer be sold. The HEC-12 document was replaced by HY22 and is sold under that title.

Product Number:HYTB.D
Price:$20

Least Cost Analysis, Ver. 1.0

LCAis the Least Cost (Life Cycle) Analysis program for evaluating costs associated with each alternate pipe material based on design components and project requirements. The program permits the designer to perform multiple economic analyses to compare different pipe materials based on total costs over the life of the project. English or metric unit version available.

Operating System:IBM PC/MS-DOS 2.0+ (256K)
Level Of Support: 6
Product Number:LCA
Price:$35
Documentation Product Number:LCA.D
Price:$15
Metric Product Number:LCAM
Price:$35
Metric Documentation Product Number: LCAM.D
Price:$15

Least Cost Analysis Program, Ver. 1.0

Least Cost Analysis Program (LCAP) provides a means of evaluating various pipe design alternatives using engineering economics principles. By applying the LCAPtechniques, the user can evaluate the effects of a number of different factors on the overall costs of the design. The program can save up to 20 analyses to be re-run or modified at a later date.

Operating System:256 K RAM,MS-DOS 2.0+
Level Of Support: 6
Product Number:LCAP
Price:$40
Documentation Product Number:LCAP.D
Price:$10

MacCulvert, Ver. 1.0

MacCulvert has the capability to analyze different types of flow regimes that are encountered within culvert design. The approach taken is similar to the design concepts utilized within the HEC-5 design approach. The type of flows analyzed include backwater analysis of open channel flow. Pressure flow or a combination backwater and pressure flow analysis is accommodated.

Operating System:Macintosh
Level Of Support: 7
Product Number:MACCULV.MAC
Price: $100

MacStorm Sewer, Ver. 3.1

MacStorm Sewer is for the designers of storm serwer systems for use on both analysis of existing systems and for design of new systems. The program computations and analysis greatly enhance the ability to effectively study a system with different physical and hydrological constraints. Analysis includes different types of flow regimes and open channel or pressure flow.

Operating System: Macintosh
Level Of Support: 7
Product Number:MACSTORM.MAC
Price:$550

Pipe Culvert Analysis and Design, Ver. 2.1

PIPECAR is a program for the structural analysis and design of circular and horizontal reinforced concrete pipes. The program is user friendly with in- put routines requiring only minimal computer experience. PIPECAR completes structural analyses for loads due to pipe or soil weights, internal gravity fluid weight, live loads and internal pressure.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 1
Product Number:PIPECAR
Price:$175
Upgrade
Product Number:PIPECAR.UPG
Price:$50
Documentation Product Number:PIPECAR.D
Price:$25
Supplemental Documentation Product Number:PIPECAR.DS
Price:$25
ASCE Standard 15-93
Product Number:ASCE15.D
Price:$35

PLASTIC

PLASTIC determines the maximum height of cover for polyethylene and polyvinyl chloride rounded pipe culverts. The procedures conform to the AASHTO Standard Specifications for Highway Bridges requirements.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 5
Product Number:PLASTIC
Price:$5

PONDS

PONDS is an interactive, menu-driven ground water-surface water computer program specifically

for analyzing stormwater management and percolation ponds. Interactive graphical and text help screens. Perform design calculations for most of the typical stormwater management systems permitted in the state of Florida.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:PONDS
Price:$700

Preliminary Analysis System

PAS is designed to assist in the data development for water surface profile computations. The program allows the study of the relationships among the desired accuracies for a water surface profile; the accuracy of survey and map data for defining stream geometry; the areal extent of the data needs; and the cost of getting the data.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: PAS
Price:$40
Documentation Product Number: PAS.D
Price:$15

PROfile

PROfile is a comprehensive profile generation program for site, subdivision and roadway design. Features include generation of street profiles and easy transfer to AutoCAD. It has prompting menus designed to allow a generation of profiles from minimal input. Complete vertical curve and pipe data are shown in the generated .DXF file.

Operating System:IBM PC/MS-DOS 3.3+
Level Of Support: 6
Product Number:PFILE
Price:$275

QUICK PIPE, Ver. 1.3

This program allows for analysis and design of highway drainage culverts using FHWA Hydraulic Design Series No.5 procedures. Will analyze over 700 predefined culvert shapes and sizes and includes metric support, detailed tailwater channel analysis and roadway overtopping analysis. Metric input and output is supported. Graphics printer and co-processor is recommended.

Operating System:IBM PC/MS-DOS 3.3+
Level Of Support: 6
Product Number:QPIPE
Price:$125

QUICK PIPE PRO

This program allows for analysis and design of highway drainage culverts using FHWA Hydraulic Design Series No.5 procedures. Will analyze over 700 predefined culvert shapes and sizes and includes metric support, detailed tailwater channel analysis and roadway overtopping analysis. Metric input and output is supported. Graphics printer and co-processor is recommended.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:QPP
Price:$375

RIMS

Rims is a handy utility for hightway drainage engineers working with roadway profiles. The program computes drainage structure rim elevations. RIMS is a part of the computer-Aided Hydrology & Hydraulics program series.

Operating System:MS Windows
Level Of Support: 7
Product Number:RIMS
Price:$105

Spangler and Marston Method, Ver. 2.0

SAMM (Spangler and Marston Method) determines the required supporting strength of a buried concrete pipe in terms of a D-load. The program will analyze standard live loads, such as AASHTO HS-series and interstate loadings, or live loads may be deleted from the design. It will analyze underground pipelines based on standard installation conditions.

Operating System:IBM/MS-DOS 2.0+
Level Of Support: 6
Product Number:SAMM
Price:$40
Documentation Product Number:SAMM.D
Price:$15
Supplemental Documentation Product Number:SAMM.DS
Price:$40

Scour at Bridges (HY-9) , Ver. 5.0

Scour at Bridges (HY-9) is based on Federal Highway Administration's HEC-18, Evaluating Scour at Bridges and HEC-20, Stream Stability at Highway Structures. It computes contraction scour, pier scour and abutment scour. This version contains Froelich's regression equation. Users should be familiar with the FHWA procedures.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:SCOUR
Price:$40
Documentation - HEC-18 Product Number: SCOUR.D
Price:$20
Supplemental Documentation - HEC-20
Product Number:SCOUR.DS
Price:$25

StormCAD

New Windows-based program for storm sewer design and analysis. Point and Click graphical network editor. Can automatically determine pipe sizes and set inverts in its constraint based design mode. Hydraulic algorithms can handle pressurized and free surface flow, adverse slopes and junction analyses using AASHTO methods. Tabular output can be customized.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:StormCAD.WIN
Price:$495

Storm Sewer Analysis and Design

Ten interactive programs for the analysis and design of storm sewer systems by the Rational Method. All programs make extensive use of disk files and are easy to use. Programs for the computation of a hydraulic grade line up a storm sewer system under pressure, cost estimating, and for computing time of concentration by the Kinematic wave equation are included.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 6
Product Number:SSANAL
Price:$175
Metric Product Number:SSANAL.M
Price:$175
Version 3.0 Upgrade
Product Number:SSANAL.UPG
Price:$40

Storm Sewer Analysis/Design Utilizing Hydrographs

Ten interactive programs for analysis and design of storm sewer systems by a hydrograph procedure, the Santa Barbara Urban Hydrograph Method. All the programs make extensive use of disk files and are easy to apply. In the analysis and design, the hydrographs contributory to each drop inlet or catch basin are computed; and then routed downstream through the system.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 6
Product Number:SSHYD
Price:$175
Metric Version Product Number:SSHYD.M
Price:$175
Version 3.0 Upgrade
Product Number:SSHYD.UPG
Price:$40

Stormwater Management, Ver. 4.0

Storm Workshop Stormwater Management, Version 4.0, includes a Storm Module for analyzing stormwater runoff, ditch and pond design. It determines peak peak discharge, runoff depth and storm volumes, simultaneously, for one through 100-year storms by the (SCS) TR-55 method, considering soil types and land cover.

Operating System:Excel for Macintosh and Windows
Level Of Support: 6
Product Number:SMANAG
Price:$225

Stormwater Management and Design Aid, Ver. 1.0

Stormwater Management and Design Aid, Version 1.0, assists hydrologists and engineers in performing hydrologic calculation for stormwater projects. Suite of Windows tools which generates hydrographs, performs pond inventory routing, TR-55 TC calculations, empirical distribution analysis, regression analysis, storm sewer design & more. User-friendly. On-line documentation.

Operating System:IBM PC/MS-DOS 3.1+ and Windows
Level Of Support: 4
Product Number:SMADA
Price:$5

Stormwater Infiltration Structure Design

SISD will assist engineers and architects to design stormwater facilities using aggregates. The program will calculate peak flows, hydrographs and run off volumes. These calculations will be used in the design of infiltration basins, infiltration trenches, dry wells, porous pavements and vegetated swales with check dams.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:SISD
Price:$45

Stormwater Pumping Stations

Stormwater Pumping Stations provides a program for the analysis and design of pumping stations where a positive outlet for stormwater is not possi-

ble. The program is fully interactive and easy to use.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:SPS
Price:$75

Street Flow

Street Flow will calculate spread and depth for streets of virtually any cross section. The program should be used with the Pavement Drainage Program HEC12 by SMF Engineering. Street Flow calculates depth of flow that go higher than the crown or top of the curb. If one gutter fills up, excess flow will spill over the crown into the other side of the street.

Operating System IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:STFLOW
Price:$225

SWATER

SWATER contains five programs: RETEN (Pollutant, Reuse, Exfiltration, Swale design), SMADA(Stormwater Management and Design Aid), OPSEW (OPtimal SEWer design package), REGRESS for statistical regression analyses, and DISTRIB for rainfall and streamflow predictions. SWATER is mouse and menu driven and easy to use for water resources professionals.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 4
Product Number:SWATER
Price:$5

SWITCH, Ver. 2.0

SWITCH is a program which interacts with data from HEC-2 and WSPRO water surface profile modeling programs. It will reverse the order of the offset elevation for conversion between these two programs. All cross section numbers remain unchanged. It ignores bridge cards in HEC-2 and converts WSPRO bridge cards with a warning.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 5
Product Number:SWITCH
Price:$5

Urban Drainage Design Program and Manual

The Urban Drainage Design Program and Manual (HY-22 & HY-22.D) replaces HY-TB (HYDTOOL) and is a comprehensive and practical guide for the design of storm drainage systems associated with transportation facilities. Design guidance is provided for the design of storm drainage systems which collect, convey, and discharges stormwater flowing within and along the highway right-of-way.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 5
Product Number:HY-22
Price:$5
Documentation Product Number: HY-22.D
Price:$20

Urban Stormwater Management Planning and Design

Contains all the hydrology and hydraulics computer programs required for the preliminary analysis and final design of stormwater management systems for municipalities and developments. Eight programs enable rapid computation of hydrographs for both the pre- and post-development conditions and the routing of these hydrographs through reservoir and channel storage.

Operating System:IBM PC/MS-DOS 2.0+
Required: BASIC
Level Of Support: 6
Product Number:USMGT
Price:$200
Metric Version Product Number:USMGT.M
Price:$200

VaMP Virginia Mounding Program

VaMP determines the geometry of steady-state groundwater mounds formed below mass disposal systems. It determines if any effluent disposal system discharging water into the ground will form a mound or bulge on the local groundwater table. This analysis can help prevent failure in a system manifested by seepage onto the surface. Software includes text editor and HELP.

Operating System:IBM PC/MS-DOS
Level Of Support: 7
Product Number: VAMP
Price:$200
Demonstration Product Number: VAMP.DEM
Price:$20

Water Surface Profile Computational Model

WSPRO (HY-7) is a program which computes water surface profiles for open channels (subcritical, critical and supercritical flow), single or multiple bridge openings (free surface and pressure flow), through culverts (single or multiple) and encroachments.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 2
Product Number:WSPRO
Price:$85
Documentation Product Number:WSPRO.D
Price:$25

WINPROfile

Now you can directly transfer complete grade, street, storm sewer, sanitary sewer, water line and other profiles to open Autocad and Microstation ® files when in WINPROfile. Transfer may also be made using dxf files created inside WINPROfile. Profile data generated during hydraulic gradient calculation by HYDROpac may also be integrated into the WINPROfile data files.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:WINPRO
Price:$275

WSPRO Graph, Ver. 2.0

WSPRO GRAPH is a graphics utility to use with WSPRO (HY-7) that enables the user to graphically examine hydraulic profiles, channel and bridge section views, and plan views from WSPRO output. It produces hydraulic rating curves at interpreting hydraulic relationships. Indication of sub-area roughness braekpoints have been added to cross section views.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:WSPRO.G
Price:$55

Highway Engineering Pavements

Carson City Pavement Management System

Carson City PMS. Depending on the traffic index (a measure of truck volume and weights), a maintenance and rehabilitation treatment is recommended. Priorities are assigned based on a cost-benefit ratio determined as a function of cost per vehicle mile. Cost estimates are then applied and listed with the expected life cycle before new treatments are required.

Operating System:IBM PC/MS-DOS 2.1+
Required:dBASE III PLUS
Level Of Support: 3
Product Number:CCPMS
Price:$50
Documentation Product Number:CCPMS.D
Price:$10

Expenditure Budgeting Model - Supported

The EBM is an optimization program used for selecting an optimal set of projects under multiperiod budget constraints. It is a tool to solve large capital budgeting problems. The optimization can be described as selecting the group of alternatives that produces an optimal net present value. The EBM is particularly useful when used in conjunction with the HDM.

Operating System:IBM PC/MS-DOS 2.2+
Level Of Support: 1
Product Number:EBM
Price:$60

Expenditure Budgeting Model - Unsupported

The EBM is an optimization program used for selecting an optimal set of projects under multiperiod budget constraints. It is a tool to solve large capital budgeting problems. The optimization can be described as selecting the group of alternatives that produces an optimal net present value. The EBM is particularly useful when used in conjunction with the HDM.

Operating System:IBM PC/MS-DOS 2.2+
Level Of Support: 5
Product Number:EBM.UN
Price:$30

ELSYM5

This computer program developed by the University of California at Berkeley and modified by the University of and the University of New Hampshire models a three dimensional, idealized, elastic layered pavement system. The program

introduces mechanistic pavement design theories in computing various stresses, strains, and displacements.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:ELSYM
Price:$40
Documentation Product Number:ELSYM.D
Price:$5

EXPEAR, Ver. 1.4

EXPEAR (EXpert system for Pavements Evaluation And Rehabilitation) assists engineers in evaluating concrete highway pavements, developing feasible rehabilitation alternatives, and predicting the performance and cost effectiveness of the alternatives.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 3
Product Number:EXPEAR
Price:$45
Documentation Product Number:EXPEAR.D
Price:$20
Supplemental Documentation Product Number:EXPEAR.DS
Price:$25

Highway Design and Maintenance

HDM is designed to make comparative cost estimates and economic evaluations of different construction and maintenance options, including different time staging strategies, either for a given road section or the entire network. HDM determines costs by adding costs over time and comparing the total cost streams for various alternatives. (See also EBM.)

Operating System:IBM PC/MS-DOS 2.2+
Level Of Support: 1
HDM-PC,Fully supported
Product Number:HDM
Price:$400
EBM Alone, Fully supported
Product Number:EBM
Price:$60
Upgrade to supported
Product Number:HDM.UPG
Price:$250
Extra copies of HDM-PC User's Manual
Product Number:HDM.D
Price:$15
HDM model documentation Vol.1:Description of HDM-III
Product Number:HDM.DV1
Price:$20
HDM model documentation Vol.2:User's Manual HDM-III
Product Number:HDM.DV2
Price:$25

HDM Unsupported

HDM is designed to make comparative cost estimates and economic evaluations of different construction and maintenance options, including different time staging strategies, either for a given road section or the entire network. HDM determines costs by adding costs over time and comparing the total cost streams for various alternatives. (See also EBM.)

Operating System:IBM PC/MS-DOS 2.2+
Level Of Support: 5
HDM-PC,Unsupported,incl EBM and Manual
Product Number:HDM.UN
Price:$150
EBM Alone, Unsupported,incl Manual
Product Number:EBM.UN
Price:$30
HDM-PC User's Manual (Extra Copies)
Product Number:HDM.D
Price:$15
HDM Documentation, Volume 1,Description
Product Number:HDM.DV1
Price:$20
HDM Documentation, Volume 2,User's Manual
Product Number:HDM.DV2
Price:$25
Unsupported version of EBM
Product Number:EBM.UN
Price:$30

HDM-III and HDM-PC

HDM-III and HDM-PC (Highway Design and Maintenance Standards Model) is designed to make comparative cost estimates and economic evaluations of different construction and maintenance options. The concept can simply be outlined as determining costs, adding the set of costs over time and comparing the total costs for various maintenance and construction options.

Operating System:IBM PC/MS-DOS 2.2+,
Level Of Support: 1
Fully Supported HDM-PC, Ver. 2.0
Product Number:HDM
Price:$400
Fully Supported version of EBM
Product Number:EBM
Price:$60
Upgrade to Supported
Product Number:HDM.UPG
Price:$250
Unsupported HDM-PC
Product Number:HDM.UN
Price:$150
Unsupported version of EBM
Product Number:EBM.UN
Price:$30
Extra copies of HDM-PC User's Manual
Product Number:HDM.D
Price:$15
HDM Model Documentation Vol 1:Description of HDM-III
Product Number:HDM.DV1
Price:$20
HDM Model Documentation Vol 2:User's Manual for HDM-3
Product Number:HDM.DV2
Price:$25

ILLI-BACK

ILLI-BACK is a back calculation procedure for rigid pavements. It is a computerized adaptation of a rigorous, theoretically sound and efficient backcalculation procedure, applicable to two-layer, rigid pavement systems. This method simplifies considerably the effort required in interpreting nondestructive testing (NDT) data.

Operating System:IBM PC/MS-DOS 2.1+
Required:Math coprocessor
Level Of Support: 7
Product Number:ILBACK
Price:$225

ILLI-PAVE Algorithms

The ILLI-PAVE program is a large finite element program used to design or analyze a flexible pavement. The algorithms are stored in the microcomputer program ILLIALGR in the form of a series of spreadsheets selected from menus.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:ILLI
Price: $40
Documentation Product Number:ILLI.D
Price:$5

Jointed Concrete Pavement-1

JCP-1 is written in FORTRAN to provide fatigue and serviceability data for use in rigid pavement design. The program uses an iterative process in which the designer specifies trial structural designs and gives required inputs. The designer analyzes the resulting fatigue and serviceability data, modifies the design and repeats the process.

Operating System: IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: JCP
Price:$45
Product Number:JCP.D
Price:$5

Long Beach Pavement Management System

The Long Beach Pavement Management System analyzes both flexible (asphalt concrete) and rigid (Portland Cement Concrete) pavement types and produces several intermediate and final reports. An evaluation system is utilized which rates the sections from the pavement surveys and applies a decision tree to determine initial proposed treatments and their estimated costs.

Operating System:IBM PC/MS-DOS 2.1+
Required:dBASE III PLUS
Level Of Support: 3
Product Number:LBPMS
Price: $40
Product Number:LBPMS.D
Price:$10

Methods for Analyzing Pavement Conditions

MAPCON (Methods for Analyzing Pavement Conditions and Data) is a comprehensive program for the analysis of pavement safety, roughness, surface condition and structural capacity. It includes the ELSYM5 and California Rigid and Flexible PMS programs.

Operating System: IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:MAPCON
Price:$100
Product Number:MAPCON.D
Price:$65

MODULUS and PASELS

Assess the condition of the moduli of various structural layers of existing asphalt pavements. High-volume moduli data are often obtained through nondestructive testing and require a rapid analysis method. A layered elastic analysis method named MODULUS is very fast and provides consistently reliable results. PASELS is an expert system to reduce systematic errors.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:MODUL
Price:$40
Product Number: PASEL
Price:$40

NIS

NIS is a program intended for maintaining an inventory of road and bridge segments. Road and bridge improvement projects are prioritized based upon detailed condition information as coded by the user. NIS can accommodate up to 2,000 highway segments and 200 bridge records. A wide carriage printer is preferred.

Operating System:IBM PC/MS-DOS 1.0+
Level Of Support: 3
Product Number:NIS
Price:$35
Documentation Product Number:NIS.D
Price:$15

NULOAD

NULOAD is a computer program developed for the FHWA that estimates the effect of legal load limit changes on the life cycle of costs of flexible, rigid or composite pavements. A large amount of input data is required and some of the models used are controversial.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:NULOAD
Price:$40
Documentation Product Number:NULOAD.D
Price:$15

Pavement Management System

PMS is a decision support tool used to assist management responsible for allocating pavement maintenance resources. This system includes five modules for analyzing inventory, history, pavement condition, cost and budget, and a knowledge-based ranking system.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 7
Product Number:PMS
Price:$695
GIS Version
Product Number:PMS.GIS
Price:$2,500

PMSPro

PMSPro is a pavement management program in Windows that allows the user to define decision trees, rehabilitation strategies, deterioration curves, deduct curves and costs for different pavement types, functional and traffic classes. PMSPro also calculates condition scores and evaluates at the pro- ject and network levels. It also includes a cost accounting package.

Operating System:IBM PC/MS-DOS 5.0+ and Windows
Level Of Support: 7
Product Number:PMSPRO
Price:$1000

The Road Manager™

The Road Manager™ is a modular roadway management system. Unique features are ability to include all roadway features in the evaluation of road section, a modular design, user defined parameters allowing extensive customization to fit local conditions and policies, and a modern software design utilizing light bar menu, help system and pick lists for data entry.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 7
Road Manager General Roadway
Product Number:RMRD
Price:$495
Asphalt Pavement
Product Number:RMAS
Price:$995
Gravel Road
Product Number:RMGR
Price:$495
Roadway Drainage
Product Number:RMDR
Price:$995
Roadway Utility
Product Number:RMUT
Price:$995
Improvement Plan
Product Number:RMPL
Price:$995
Repair History, Ver. 1.51
Product Number:RMRH
Price:$495
Street Design, Ver. 1.51
Product Number:RMSD
Price:$495

RSMS

The Road Surface Management System is an effective tool for road surface management. RSMS can be customized for each municipality. Flexibility in the program allows big or small communities to build RSMS to fit there own needs. Agencies can review information contained within pavement management reports, such as condition, costs, and needs of the network to determine consequences of their decisions. After the condition survey has been completed and all data entered into the computer, RSMS can numerically generate the overall condition of the network. Reports include all the input data such as inventory and distress survey results, as well as projected repairs and budget reports.

Operating System:IBM PC/MS-DOS 3.x+
Level Of Support: 2
Product Number: RSMS
Price: $75

ZAPHERS

Windows based program of 56 drawings and 7 guide specifications for interlocking concrete pavements. Covers a wide range of applications including details for pedestrian, vehicular, roof, port and airport projects.

Operating System:IBM PC/MS-DOS 3.1+(Windows)
Level Of Support: 7
Product Number:ZAPHERS
Price:$50

Highway Engineering Surveying

CC-SURVEYOR, Ver. 4.0

CC-SURVEYOR is a COGO and design program for civil engineers and land surveyors. It includes the normal coordinate geometry routines plus TOPO reductions and contour interpolation. Also included are vertical curves and grades and compass rule adjustments. Files may be transferred into Generic CADD.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 4
Product Number:CCSURV
Price:$5

COllier.GO, Ver. 3.47

COllier.GO provides solutions to common surveying problems with routines for traverse, inverse, radial surveying, intersections, sun shots, bearings, bearing-distance, and distance-distance inversing. It lists points, rotates and translates, and computes areas, curves and field notes.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 4
Product Number:COLLGO
Price:$5

Easy Vertical Alignment for Windows, Ver.2.1

Full featured program concentrating on evaluating vertical curves and complete vertical alignments. Calculations can be performed in US Customary units or Metric. Performs a code check for vertical curves in accordance with current AASHTO or AREAcriteria. Can export alignment to a .DXF file.

Operating System:IBM PC/MS-DOS 3.1+(Windows)
Level Of Support: 7
Product Number:EZVAL.WIN
Price:$70

GEOH Horizontal Geometry Program

GEOH is a collection of programs which assist the designer in the creation, editing, and execution of Horizontal Geometry (Coordinate Geometry) design files. It can be used for highways, streets and site development layout projects. GEOH offers output commands to obtain the bearing and distance of a line, curve data of a circular arc, the area of a traverse, etc.

Operating System:IBM PC/MS-DOS 3.x+
Level Of Support: 6
Product Number:GEOH
Price:$165

SURVpac

SURVpac is a comprehensive, coordinate geometry program for boundary, site, subdivision and roadway computations including field traverse cLevel Of Support:ure and adjustment. SURVpac's number of points is limited only by disk space. It is

menu driven and can generate a complete .DXF file for use in AutoCAD.

Operating System:IBM PC/MS-DOS 3.3+
Level Of Support: 6
Product Number:SPAC
Price:$50

WINcogo™

WINcogo is a stand-alone coordinate geometry program for Windows environ- ment. It transfers data directly to CAD programs (AutoCAD or MicroStation). Some of its features are: data scaling, data rotation, data translation, curve computation by six different methods, generation of DXF files, allows input/output using bearings, south or north azimuths, among others.

Operating System:IBM PC/MS-DOS 4.0+; Windows 3.1+
Level Of Support: 6
Product Number:WINCOGO
Price:$145

Traffic Engineering Capacity Analysis

All-Way Stop Control

All-Way Stop Control is a spreadsheet template that automates the new interim procedures to calculate capacity and level of service at all-way stop-controlled intersections. It forecasts capacity and delay for each intersection approach based on traffic volumes, turning movement proportions and the number of lanes.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3 or Quattro
Level Of Support: 3
Product Number: AWSC
Price:$40
Documentation Product Number: AWSC.D
Price:$10

CINCH, Ver. 1

CINCH is a capacity analysis program that applies methods outlined in chapters 9 and 10 of the 1985 Highway Capacity Manual. CINCH also provides estimates of queue lengths and optimizes cycle lengths.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: CINCH
Price:$40
Documentation Product Number:CINCH.D
Price:$5

CIRCAP

CIRCAPis used for the Capacity Analysis for Rotary Intersections. The program is menu driven and prompts for all the information needed to perform the calculations. The menus lead the user through steps to enter identifying information, weaving section definitions, geometric or critical gaps and traffic volume data.

Operating System:IBM PC/MS-DOS 2.0+
Required: BASIC
Level Of Support: 3
Product Number:CIRCAP
Price:$40
Documentation Product Number:CIRCAP.D
Price:$5

FAZWEAVE, Ver. 2.2

The FAZWEAVE program contains four weaving operational analyses and design procedures which are being used by most highway engineers today. The four procedures are: Jack E. Leisch (March 1985), JHK & Associates (Nov. 1985), Joe Fazio (Aug. 1985), and 1985 HCM (Jan.1985).

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: FAZWEAVE
Price:$40
Documentation Product Number: FAZWAEVE.D
Price:$15

5 Leg Signalized Intersection Capacity

5 Leg Signalized Intersection Capacity is a template designed to provide a method for analysis of five leg signalized intersections using an extension of the 1985 Highway Capacity Manual (HCM) methodology, expanded to the five leg case by adding an approach to the HCM worksheets. 5 Leg determines average stopped delay and Level of Service for the five leg intersection.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3™
Level Of Support: 6
Product Number:5LEG
Price:$95

Florida Level Of Support Worksheets

Florida Level Of Support Worksheets are a series of Lotus 1-2-3, Version 2.2+ templates that provide HCM based level of service planning level analyses. The worksheets analyze arterials, freeways, two-lane highways and multilane highways.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:FLLOS
Price:$40

HCM/Cinema Ver. 3.0

HCM/Cinema employs a friendly interactive graphics approach to compute capacity and Level Of Support of signalized intersections using procedures in Ch. 9 of the 1985 HCM. Powerful graphical and animation displays enable you to see how your design will function and demonstrate your results. A version of TRAF-NETSIM is included to analyze bays, queues, fuel and pollutants.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 7
Product Number:HCMCIN
Price:$605

HCS-3

Release 3 of the Highway Capacity Software (HCS-3) is a Windows 95+/NT4 application and is a faithful implementation of the procedures prescribed in the 1997 Update to the Highway Capacity Manual (HCM). HCS-3 contains modules that implement the procedures defined in all chapters (except Chapter 14 on Bicycles) of the HCM, including completely replaced procedures for HCM Chapter 3 (Basic Freeway Sections), Chapter 4 (Weaving Areas), Chapter 9 (Signalized Intersections), Chapter 10 (Unsignalized Intersections) and Chapter 11 (Arterial Streets), as well as changes to Chapter 5 (Ramps and Ramp Junctions) and Chapter 7 (Multilane Highways).

Operating System:Windows 95/98/NT4
Level Of Support: 1
Product Number:HCS3.W95
Price:$500

Upgrade from Release 2
Product Number:HCS3.UPG
Price:$250

1997 Highway Capacity Manual
Product Number:HCM97.D
Price:$110

Update from 1994 HCM
Product Number:HCM97.UPG
Price:$90

Indonesian Highway Capacity Manual and Software

The Indonesian Highway Capacity Manual (IHCM) covers urban/semi-urban traffic facilities as well as inter urban roads and motorways. It thus replaces the previous, interim manuals for urban traffic facilities (January 1993) and interurban roads (August 1994) which have been published earlier with the IHCM project. The software implements the procedures in the manual. The types of facilities covered and the traffic performance measures that can be calculated with the use of the manual are: Signalized Intersections, Unsignalized Intersections, Weaving Sections, Urban Roads, Interurban Roads, and Motorways.

Operating System:
Level Of Support: 3
Product Number: IHCM
Price: $50
Documentation Product Number:IHCM.D
Price:$35

IVHS Workshop Report

Summary of the workshop co-sponsored FHWA and the Center of Microcomputers in Transportation (**Mc*Trans***) of the University of Floria. ANSTEC, Inc., summarized the results of that meeting and is intended to provide recommen- dations for future work to increase the usability of the traffic models. The workshop was held Dec 11-16, 1994 in St. Petersburg, Florida.

Product Number:IVHSWS
Price:$5

MultiLeg 5 to 8 Leg Signalized Capacity

MultiLeg provides signalized intersection level of service analysis for intersections with five to eight approaches. It works in conjunction with H.C.S., the Highway Capacity Software distributed by McTrans.

Operating System:IBM PC/MS-DOS 2.0+
Required:HCS,1.5 or 2.1
Level Of Support: 6
Product Number:MLEG
Price:$85

Intersection Capacity Analysis Package, Ver. 2.04

NCAPprovides five methods for analyzing intersection capacity. It features 1985 Highway Capacity Manual (SR 209) planning and operational analyses, unsignalized procedures, and Transportation Research Circular (TRC) 212 planning, operations and design.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:NCAP
Price:$295
Demonstration Product Number:NCAP.DEM
Price:$10

Roadrunner HCM, Ver. 5.2 (contains SIG & UNSIG

The Roadrunner implements the 1985 HCM unsignalized 2-way stop, signalized intersections, unsignalized all-way stop, signal warrants and unsignalized T-intersections.

Operating System:IBM PC or Macintosh
Required:Microsoft EXCEL
Level Of Support: 6
Product Number:RRUN.WIN/95
Price:$195
Macintosh Version Product Number:
RRUN.MAC
Price:$195

SAT_ADJ

Sat_Adj is a Lotus 1-2-3 template to perform a procedure that will transform the saturation flow calculations from the 1985 Highway Capacity Manual (HCM) to values that can be used by the Signal Operations Analysis Package (SOAP). SOAPand the HCS can then be used in tandem until the best signal design is obtained.

Operating System:IBM PC/MS-DOS 2.1+
Required:Lotus 1-2-3
Level Of Support: 5
Product Number:SATADJ
Price:$5

SIDRA 5.2

SIDRA5.2 is the latest upgrade version for Windows. New features include:
Sensitivity analysis by parameter scaling for optimization, evaluation and geometric design purposes. Parameters that can be varied: maximum green time for actuated signals, roundabout island and inscribed diameter, lane width and lane utilization ratio, follow-up headway for gap-acceptance analysis.
HCM 97 Level Of Service definitions based on control delay.
HCM 97 roundabout capacity and level of service based on the HCM 97 method for single-lane roundabouts.
Alternative capacity models for roundabouts.
HCM 97 gap-acceptance parameters for two-way stop sign control for general use.
HCM 97 delay equations for signalized intersections and two-way stop-sign control, and HCM 97 capacity equation for two-way stop-sign control.
Enhancements to configuration utility.

Operating System: MS Windows 3.1/95/98/NT
Level Of Support: 6
Product Number: SIDRA
Price: $850
Extra Copies Product Number:SIDRA.X
Price:$390
Educational Product Number:SIDRA.E
Price:$390

SIGCAP Signalized Intersection Capacity Program

SIGCAPanalyzes the level of service for a signalized intersection. It uses input traffic demands to calculate LOS, storage lengths, service volumes at LOS C and green time requirements.

Operating System:IBM PC/MS-DOS 1.0+
Level Of Support: 3
Product Number:SIGCAP
Price:$40
User's Manual Product Number:SIGCAP.D
Price:$5

SIGEVAL, Ver. 1.0

SIGEVALis a Systematic Evaluation of Intersection Traffic Control program which is designed to provide a comprehensive evaluation of at-grade intersections.

Operating System:IBM PC/MS-DOS 4.0+
Level Of Support: 3
Product Number:SIGEVAL
Price:$55
Documentation Product Number:SIGEVAL.D
Price:$10

SIGNAL94/TEAPAC Capacity Analysis, Ver. 1.23

SIGNAL94 - Capacity is a lower priced capacity analysis-only version of the SIGNAL94/TEAPAC - Signalized Intersection Analysis program. This version performs capacity analyses which strictly follow 1994 Highway Capacity Manual methods. SIGNAL94 is fully integrated with other TEAPAC programs allowing the complete sharing of data between programs.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:TPCS94.1
Price:$295
Demo Product Number:TPCS94.0
Price:$5
Windows 3.1
Product Number:TPCS94.1.WIN
Price:$295
Demonstration Product Number:TPCS94.0.WIN
Price:$5
Windows 95
Product Number:TPCS94.1.W95
Price:$295
Demonstration Product Number:
TPCS94.0.W95
Price:$5

SIGNAL97/TEAPAC Capacity Analysis, Ver.1.00

SIGNAL97 - Capacity is lower priced capacity analysis-only version of the SIGNAL97/TEAPAC - Signalized Intersection Analysis program. This version performs capacity analyses which strictly follow 1997 Highway Capacity Manual methods. SIGNAL97 is fully integrated with other TEAPAC programs allowing the complete sharing of data between programs.

Operating System:IBM PC/MS-DOS 2.0+
Level OF Support: 7
Product Number:TPCS97.1
Price:$295
Demo Product Number:TPCS97.0
Price:$5
Windows 3.1
Product Number:TPCS97.1.WIN
Price:$295
Demo Product Number:TPCS97.0.WIN
Price:$5
Windows 95
Product Number:TPCS97.1.W95
Price:$295
Demo Product Number:TPCS97.0.W95
Price:$5

Signalized Intersection Planning Analysis, Ver. 2.0

SIPA is a supplement to the signalized intersections capacity analysis programs of the HCS. It uses the same menu driven format of the HCS signalized intersections operational and design capacity analysis programs. The printout of SIPA is in the same format as the Planning Analysis Worksheet in the 1985 HCM.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 6

Product Number:SIPA
Price:$115

UCBPLA Selected 1985 HCM Procedures

UCBPLAis a collection of three interactive programs which incorporate the following procedures from the 1985 Highway Capacity Manual: UNSIG - Unsignalized Intersection Analysis; SIGPLAN - Signalized Intersection Analysis; and RURAL - Rural Highway Analysis (including two-lane and multi-lane highways, and basic freeway sections).

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 5
Product Number:UCBPLA
Price:$5

Unsig Mac

Unsig Mac calculates the levels of service for unsignalized intersections. It automates the methods outlined in the 1985 Highway Capacity Manual with all input provided through pull down menus and dialogue boxes. A graphic representation of the intersection is also provided to view or print. Documentation is on the disk.

Operating System:Macintosh
Level Of Support: 4
Product Number:UNSIG.MAC
Price:$5

UNSIG10 Unsignalized Intersection Capacity

UNSIG10 is a capacity analysis program for use at two-way stops, four-way stops, and yield controlled intersections. The program calculates the level of service by movement on controlled approaches and for left turn movements on the uncontrolled approaches.

Operating System:IBM PC/MS-DOS 1.0+
Level Of Support: 3
Product Number:UNSIG
Price:$40
Documentation Product Number:UNSIG.D
Price:$5

WINUNSIG, Ver. 2.1

WINUNSIG was developed to provide a fast and simple method for anyone inte- rested in analyzing an unsignalized intersection from within Microsoft Windows. WINUNSIG Ver. 2.1 includes an extensive Windows on-line help system; support for the Windows MIDI; Traffic Composition report; and many 'behind-the-scenes'improvements for smoother operation.

Operating System:IBM PC/MS-DOS 5.0+; 4MB RAM;Windows 3.1+; VGA monitor
Level Of Support: 7
Product Number:WINUNS
Price:$75
Demonstration Product Number: WINUNS.DEM
Price:$5

Traffic Engineering Data Processing

DAITA

DAITA (Data Acquisition for Intersection and Traffic Applications) is a Windows based application for collecting vehicle classification data and intersection turning movement volumes. This program can be used in the field on a portable computer for real-time data collection, or in the lab for data acquisition from a video tape using clock synchronization.

Operating System: IBM PC/MS-DOS 5.0+; Windows 3.1+
Level Of Support: 6
Product Number: DAITA
Price:$80
Demonstration Product Number: DAITA.DEM
Price:$10

FLOCOUNT

The FLOCOUNTcomputer program package provides an easy-to-use means of processing machine-type (automatic traffic recorder) road-tube traffic counts and intersection movements and pedestrian traffic counts. The programs are designed to permit the effective and efficient processing of a variety of traffic counts made in 15-minute increments.

Operating System:
Level Of Support: 6
Product Number:FLOCOUNT
Price:$190

MAXVOL, Ver. 1.0

MAXVOLestimates maximum volumes by adjusting traffic demands until either a maximum allowable v/c ratio is reached, or the minimum allowable section speed is achieved. The maximum allowable v/c ratio is pre-set by the user and can be set as a constant, or to vary depending on the segment length.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 4
Product Number:MAXVOL
Price: $5

Moving Vehicle Run Analysis Package (MVRAP), Ver. 2.2

MVRAPwas developed to collect and analyze data from moving vehicle studies. The actual data collection is done by a separate program, Traffic Analyzer TA-88, which is part of this package. This program captures the speed trajectory of the vehicle as it travels a prescribed route. The data reduction is carried out after each run by processing the speed profile.

Operating System:IBM/MS-DOS 2.1+
Laptop,Disk Drive, Parallel Port with Cable
Level Of Support: 1
Product Number: MVRAP
Price: $150
MVRAP DMI Cable
Product Number: MVRAP.C
Price:$20

PC SPEED, Ver. 1.3

PC SPEED is for analysis of data from radar speed surveys. Given the observations of each speed, PCSPEED will calculate 50th, 85th, 90th and 95th percentile speeds, along with 10 mph pace ranges and percentages. Results will be displayed on the screen and a detailed printout with a histogram of speed distribution will be produced.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 5
Product Number: PCSPEED
Price:$5

SpeedPLOT, Ver. 2.0

SpeedPLOTis a menu-driven, interactive program that uses established traffic engineering procedures to analyze and display characteristics of vehicle speeds. The program is operated from menu selections. Data entry, file management and technical reports are generated by proper selection of menu choices.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 6
Product Number:SPLOT
Price:$100

SpeedPLOT (+) Ver. 4.0

SpeedPlot (+) collects and analyzes spot speeds, gaps, and time interval data. The program allows for direct collection of data or manual input. A two file data collection feature allows data to be collected for tow steams of traffic during one study and saved as separate data files. Produces a comprehensive technical report.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:SPLOTPL
Price:$200

SUPERDET, Ver. 2.0

SUPERDETenables the easy processing of system detector counts collected by Traffic Control Techniques (TCT) and ECONOLITE -loop signal systems and EAGLE COMTRAC traffic signal systems. SUPERDETautomatically summarizes the system count data into a useful format for traffic engineering and transportation planning purposes.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:SUPERDET
Price:$300

TDIP Traffic Data Input Program, Ver. 2.0

TDIPis a program used for collecting traffic volume data and vehicle delay data. TDIPis used with a PC to collect traffic data of traffic flow at an intersection. The keyboard can be used in place of the traditional traffic counterboard. TDIPcan record the vehicle volumes and delay by approach or turning movements and save data for future use.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:TDIP
Price:$40
Documentation Product Number:TDIP.D
Price:$10

TED/TEAPAC, Ver. 3.60

TED is the TEAPAC editor and data base manager. Its primary use as part of TEAPAC is in creating

and modifying control files or changing the contents of a data file for any TEAPAC program. Control files can be created to make batch runs which involve many scenarios or intersections or both.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:TPCTED.1
Price:$295

TGAP, Ver. 1.0

TGAPworks on laptop or desktop computers to collect and analyze data on arrival times and gap intervals. All data are collected in real time using the computer's clock, not using 1- or 2-second bins. Reports include arrival times, gap frequency, and the frequency of time between acceptable gaps. Input keys are definable and the mouse is supported.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 7
Product Number:TGAP
Price:$125

TURNFLOW Intersection Turning Movement Estimates, Ver. 1.0

TURNFLOW is a Lotus Release 2 template which assists a user in developing estimates of intersection turning movements when only approach volumes are known. Iteratively TURNFLOW provides a balanced set of intersection turning movements based on prespecified approach volumes and estimates of turning
proportion.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3,Release 2
Level Of Support: 4
Product Number:TURNFLOW
Price:$5
Documentation Product Number:TURNFLOW.D
Price:$5

TURNS

TURNS computes directional turning movement volumes using an iterative approach, which alternatively balances the inflows and outflows of a turning matrix until the results converge. Observed or turning movement volumes for any year may be used as input data. Any pre-determined volumes can be contolled for one or more movements of the forecast turning matrix.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 3
Product Number:TURNS
Price:$40

TURNS/TEAPAC Turning Count Analysis, Ver. 3.40

TURNS produces summaries and peak-hour analysis of 12 movement turning count surveys. Approaches, exit and intersection totals are calculated, and peak hour characteristics such as turn percentages, directional distributions and peak hour factors are determined. Level 2 produces a signalized intersection warrant analysis.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
TURNS/TEAPAC Tabulator
Product Number:TPCTRN.1
Price:$295
TURNS/TEAPAC Warrants
Product Number:TPCTRN.2
Price:$595
Demonstration Product Number:TPCTRN.0
Price:$5

VEHCTS, Ver. 1.0

VEHCTS determines the peak hour, calculates peak hour volumes by lane movement, peak hour factors (PHF) and heavy vehicle ratios of 15 minute traffic counts conducted over a two hour period. Results can be directly used in the methodology for signalized intersections in Chapter 9 of 1985 Highway Capacity Manual.

Operating System:IBM PC/MS-DOS 3.3+
Required:Lotus 1-2-3,Release 2+
Level Of Support: 5
Product Number:VEHCTS
Price:$5
Documentation Product Number:VEHCTS.D
Price:$5

Traffic Engineering General Traffic

ARTS Compendium

The Advanced Rural Transportation System Compendium is a comprehensive listing of technology-based projects that have been or could be implemented in rural areas. It is a tool for planning or implementing intelligent transportation systems (ITS) projects in rural areas by assisting with research on what has been done. The compendium consists of project types in a database.

Operating System:MS Windows 3.1+
Level Of Support: 4
Product Number:ARTS
Price:$5
Documentation Product Number:ARTS.D
Price:$10

AUTOMUTS, Ver. 1.0

AUTOMUTS is a program to automate the studies contained in the Florida DOT's Manual on Uniform Traffic Studies (MUTS). Included with AUTOMUTS is software for delay studies, pedestrian group size studies, highway lighting justification studies and the menu shell itself. To run full AUTOMUTS system, you can purchase PC-SPEED, COUNTS-PC, SCCOLD and MVRAPfrom **Mc*Trans***.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 3
Product Number: AUTOMUTS
Price:$40
Documentation Product Number:FLMUTS.D
Price:$15

Bottleneck Traffic Simulator, Ver. 1.1

BTS is macroscopic tool for simulating the performance of freeway bottlenecks. BTS can be used to measure the travel time benefits of changes in roadway design through (1) addition of capacity, (2) increase in travel speed, or (3) improvement in roadway reliability.

Operating System:IBM PC/MS-DOS 1.1+
Level Of Support: 3
Product Number:BTS
Price:$75
Documentation Product Number: BTS.D
Price:$10

CADD Sign Library

CADD Sign Library has over 300 sign drawing files that can be used in signalization, signing, marking and other traffic control plans. Each package can be ordered in DWG, DXF or CELformats. The CEL format was drawn using MICROSTATION Ver.sion 5. HoweVer., this is the only Ver.sion that can use the CELSign Inventory Package. You can edit and plot drawings.

Operating System:IBM PC/MS-DOS 3.1
Level Of Support: 7
CADD Sign Library DWG Format
Product Number:CADD.DWS
Price:$195
CADD Sign Library DXF Format
Product Number:CADD.DXF
Price:$195
CADD Sign Library CEL Format
Product Number:CADD.CEL
Price:$195

C.A.T.S.™

Computer Aided Transportation Software was developed to improve data collection methods involving a Distance Measuring Instrument (DMI). Prior to C.A.T.S., this information was recorded with a stopwatch and a notepad, and later with a DMI unit and a notepad. The versatile Windows program can be used for anything from travel time runs and congestion management, to producing speed profiles for roads and synchronizing traffic signals. C.A.T.S. collects 20-30 times the data as the stopwatch method. There are two modules in C.A.T.S.: the DOS-based DMI-Read module records data from the probe vehicle and DMI unit and the Windows based Setup and Analysis module.

Operating System: MS Windows 3.1+
Level Of Support: 6
Product Number: CATS
Price: $150

DELAY Enhanced 1.2

DELAY Enhanced allows engineers and planners to quickly estimate freeway incident congestion. Through an easy to use interface, an engineer simply enters basic traffic flow and incident information and is provided an estimate on various user impacts. Outputs include total delay, time to normal flow, maximum queue size and length, maximum

delay per vehicle, average delay per vehicle, excess fuel loss, idle emissions (CO, HC, and Nox), and financial loss (value of time & fuel loss). Output can be English or metric and plotted graphically.

Operating System: MS Windows 3.1+
Level Of Support: 3
Product Number: DELAYE
Price: 50

dQUEUE, Ver. 1.2

Dynamic QUEUEing Analysis evaluates traffic delays at toll facilities and is based on Monte Carlo simulation technique and traffic flow theory. It has been used in toll facility system planning, design and operations. Factors taken into account that affect queue development include traffic volumes, service rates, weaving maneuVer.s, facility layout and operations.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number: DQ
Price:$40
Documentation Product Number:DQ.D
Price:$5

FREWAY, Ver. 1.01

The FREWAY program estimates the annual impacts of urban freeway congestion on individual freeway sections in congested vehicle miles of travel, motorist delay, wasted fuel and user costs. Estimates are made for recurring and non-recurring congestion.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:FREWAY
Price:$40
Documentation Product Number:FREWAY.D
Price:$5

General Purpose Queueing Model

General Purpose Queueing Model software is a Windows program that helps you analyze queueing problems. Gives 43 output measure types for your problem. Saves time on number crunching and is Very easy to use. Program comes with a complete User's Manual, case examples, unlimited technical support and extensive help screens. All equations explained in the User's Manual.

Operating System:Windows 3.1+
Level Of Support: 7
Product Number: QUEUE_M
Price:$95

Integrated Queue Analysis Package, Ver. 1.0

IQPAC is a comprehensive and powerful package for the design of toll plaza and drive-in bank lane configurations using analytical equations of queuing theory and microscopic simulation techniques. This is a complete with simultaneous frame-by-frame text and graphic displays of the system measures of effectiveness.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 6
Product Number:IQPAC
Price:$175

Manual for Uniform Traffic Control Devices

MUTCD is a unification of control device standards that is applicable to different classes of roads and street systems. The National Committee on Uniform Traffic Control Devices updated the 1988 edition in 1993. This product is available on CD ROM.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number:MUTCD.CD
Price:$145

Professional Capacity Building

U.S. Department of Transportation's Intelligent Transportation Systems Awareness Seminar (one-day) provides a general understanding of ITS and ITS infrastructure. Illustrates the nine ITS infrastructure components by showcasing those systems that are deployed around the country. Consists of a MS PowerPoint Ver.. 7.0 presentation on 12 disks and Instructor's Guide.

Operating System:IBM PC/MS-DOS 3.1+ and Windows
Level Of Support: 4
Product Number:PCB
Price:$25

Queue2

Queue2 is a general-purpose queueing model used to analyze any number of single-phase, single-channel facilities. The two major inputs to the program are aVer.age arrival rate and aVer.age service rate.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 7
Product Number: QUEUE2
Price:$35

QUICK-HOV

Provides quick response computations for predicting order-of-magnitude HOV and mixed-flow demand and traffic performance resulting from new HOV lanes and/or new eligibility requirements for existing HOV lanes. Software is applicable to corridor, network and system level HOV demand analysis.

Operating System:IBM PC/DOS 3.1
Level Of Support: 1
Product Number: QUICKHOV
Price:$250
Documentation Product Number: QUICK-HOV.D
Price:$20

SALLIE, Ver. 1.04

SALLIE is a menu driven program for the design of roadway lighting configurations and can search for the widest spacing by modifications in mounting height and oVer.hang. A three dimensional plot of the horizontal footcandle values between two poles is provided. SALLIE computes poles required, average maintained horizontal footcandles and uniformity ratio.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:SALLIE
Price:$40
Documentation Product Number:SALLIE.D
Price:$15

SIGN DRAWINGS

SIGN DRAWINGS is a series of drawing files for over 200 roadway signs prepared in accordance with the specifications of the MUTCD. All the drawing files can be edited. The package also contains a drawing file to be used as a base for signalization drawings and another for profile drawings. Arrows for pavement markings are also included.

Operating System:IBM PC/MS-DOS 3.1+
Required: AutoCAD
Level Of Support: 6
Product Number:SIGNDWG
Price:$165

SIGN SPACING, Ver. 1.0

This program calculates the horizontal sign letter spacing for series C, B, D, E and E modified letters and numerals. The disk also includes a series of Lotus 1-2-3, Release 2 templates to layout sign sheets for sign fabrication, size sign supports and expand or shrink the sign copy.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3 and BASICA
Level Of Support: 3
Product Number:SIGNSPAC
Price:$45

SIMS

The Sign Inventory Management System can help governmental entities effectively maintain traffic signs. SIMS is a sound, comprehensive sign management system that contains the following components: Inventory, condition Assessment, Repair Decisions, Priority Analysis Initiate Repair Action, Record Actions and Parts Management. Agencies that fulfill these purposes will have an effective sign maintenance program and will record information pertinent to tort liability concerns. Motorists rely on traffic signs to regulate, warn, and guide themselves and others. Courts have consistently held government entities responsible for adequate placement and maintenance of traffic signs.

Operating System:MS Windows 3.1+
Level Of Support: 2
Product Number:SIMS
Price:$75

SPANWIRE, Ver. 4.1.1

SPANWIRE will perform a stress analysis on steel strain poles according to the AASHTO standard entitled "Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals." Any two or three pole configurations can be modeled, allowing complicated conditions such as box or triangular arrangements to be analyzed.

Operating System: IBM PC/MS-DOS
Level Of Support: 7
Product Number:SPANWIRE
Price: $1550

SPARKS

SPARKS is a unique tool for analysis and design of on-street parking facilities including its ability to model Parking Guidance System (PGS). Structure output from SPARKS contains several measures of effectiveness (MOE), such as average time in the facility, average vehicles parked, maximum number of vehicles parked, Level of Service, optimal number of parking spaces.

Operating System:IBM PC/MS-DOS
Level Of Support: 6
Product Number:SPARKS
Price:$395
Demonstration Product Number: SPARKS.DEM
Price:$10

TBASE
TBASE calculates cycle length and offset time references for time-based traffic signal systems. This method of signal coordination has been used for many years and applies to most closed loop systems today. Time-based coordination can provide coordination across city boundaries using different types of signal equipment.

Operating System: IBM PC/MS-DOS
Level Of Support: 4
Product Number:TBASE
Price: $5

TEAPAC Traffic Engineering Package
Integrated system of programs designed to perform many common analyses. Allows for batch execution of large or multiple analyses. TPC*.*.2 has complete signal timing for individual signals, arterials & network. TPC*.*.3 has complete site traffic estimation, capacity analysis & inter- section/signal design for traffic impact studies.

Operating System: IBM PC/MS-DOS 2.0+
Level Of Support: 7

TEAPAC Traffic Engineering Package
Product Number:TPC*.*.1
Price:$3495

TEAPAC Signal Timing Analysis Package
Product Number:TPC*.*.2
Price:$2495

TEAPAC Site Impact Analysis Package
Product Number:TPC*.*.3
Price:$2195

TOSS Traffic Operation System Software, Ver. 8.0
Traffic Operations System Software (TOSS) is designed to provide managerial information for maintenance activities, statistical and inventory data, job costing and budget control. Modules include Accident Information, Collision Diagram, Traffic Signal Maintenance, Traffic Signals, Street Light Maintenance, Street Lights, Signs, Road Markings, Traffic Counts and Complaints.

Operating System:IBM PC/MS-DOS 3.1+
Required:Hard Disk
Level Of Support: 7
Product Number: TOSS.P
Price: $1500

Upgrade
Product Number: TOSS.UP
Price:$695

Accident Information System
Product Number: TOSSAIS
Price: $295

Accident Information System Demo
Product Number: TOSSAIS.DEM
Price: $5

Collision Diagram
Product Number: TOSSCD
Price:$295

Traffic Signal Maintenance
Product Number: TOSSTSM
Price:$295

Traffic Signal Maintenance Demo
Product Number: TOSSTSM.DEM
Price:$5

Traffic Signal Inventory
Product Number: TOSSTSI
Price:$295

Traffic Signal Inventory Demo
Product Number: TOSSTSI.DEM
Price:$5

Street Light Maintenance
Product Number: TOSSSLM
Price:$295

Street Light Maintenance Demo
Product Number: TOSSSLM.DEM
Price:$5

Traffic Signal Inventory
Product Number: TOSSSLI
Price:$295

Traffic Signal Inventory Demo
Product Number: TOSSSLI.DEM
Price:$5

Sign Inventory
Product Number: TOSSSI
Price:$295

Sign Inventory Demo
Product Number: TOSSSI.DEM
Price:$5

Road Marking Inventory
Product Number: TOSSRMI
Price:$295

Road Marking Inventory Demo
Product Number: TOSSRMI.DEM
Price:$5

Traffic Count Information
Product Number: TOSSTCI
Price:$295

Traffic Count Information Demo
Product Number: TOSSTCI.DEM
Price:$5

Street Furniture Inventory
Product Number: TOSSSFI
Price:$295

Street Furniture Inventory Demo
Product Number: TOSSSFI.DEM
Price:$5

Complaint Logger
Product Number: TOSSCL
Price:$295

Complaint Logger Demo
Product Number: TOSSCL.DEM
Price:$5

ACCDWG Traffic Collision Diagram Library
ACCDWG draws collision diagrams. More than 150 symbols and sample drawings are included, with customized intersections and midblock borders. Symbols are color-coded by accident type and text can be added to symbols for greater detail.

Operating System:IBM PC/MS-DOS
Level Of Support: 6
Product Number: ACCDWG
Price:$100

TCPDWG Traffic Control Plans for Construction Zones
TCPDWG contains more than 40 individual drawings to make up a comprehensive system for public agencies to regulate construction zones in the public right-of-way. These drawings coVer. most situations and are suitable for attachment to permits. Borders, title blocks and applicable sign drawings are included and meet MUTCD standards.

Operating System:IBM PC/MS-DOS
Level Of Support: 6
Product Number:TCPDWG
Price:$100

Traffic Engineer's Toolbox
Windows software containing eleven modules to help increase the traffic engineer's productivity. Benefit Cost Ratio, Collision Diagram, Conduit Fill, Detector Loop Locations, Left Turn Storage Length, Metric ConVer.sion, Skidding Distance, Spot Speed Study, Stopping Sight Distance, Work Zone & Detour Plans and Yellow Timing/Don't Walk Times. Extensive on-line help.

Operating System:IBM PC/MS-DOS 3.1+ and Windows
Level Of Support: 6
Product Number:TET
Price:$250

TIPS Traffic Information Program Series
TIPS is a series of information and fact sheets produced by the Florida Section of the Institute of Transportation Engineers that address common questions about many aspects of transportation planning, traffic operations and traffic control. Written in lay language, TIPS serves as an information source for transportation professionals, and the general public as well.

Operating System:Document only.
Product Number:TIPS
Price:$10

Traffic Noise Model, Ver. 1.0a
The FHWA TNM is a program for predicting noise impact in the vicinity of highways. It models highway noise and is used to design effective and cost-efficient highway noise barriers. Components include: modeling of vehicle types and traffic flow, sound level computations, noise barrier design, and diffraction, barrier, and contour analysis. These are supported by a acoustic computational methodology and a flexible data base.

Operating System:MS Windows 3.1+
Level Of Support: 1
Product Number:FHWATNM
Price: $695

TSDDWG Traffic Signal Design Library
TSDDWG has more than 70 traffic signal design details and symbols. These drawings coVer. "pretimed" to 170 microprocessor controllers. Pole, mastram, luminaire, signal face, opticom, fiber optics, schedules and phase diagrams are among the many symbols included. Predrawn wiring and conduit plans and sample traffic signal plans.

Operating System:IBM PC/MS-DOS
Level Of Support: 6
Product Number:TSDDWG
Price:$100

TUTOR/TEAPAC, Ver. 3.03
TUTOR/TEAPAC is a tutorial program for all of the programs in TEAPAC. This program should be used as a companion tool in the learning process for any TEAPAC programs including SIGNAL94, SITE, NOSTOP, PREPASSR, PRETRANSYT, and TURNS.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 7
Product Number:TPCTUT.1
Price:$95
Demonstration Product Number:TPCTUT.0
Price:$5

Traffic Engineering Safety and Accident Records

GSRS Grade Severity Rating System

The purpose of the grade severity rating system is to reduce the probability of large truck runaways on severe downgrades. It is based on a mathmatical model that uses gross truck weight and physical characteristic of the downgrade to predict the temperature of the truck's system brakes. The brake temperature is used to estimate the maximum safe descent speed.tc "The purpose of the grade severity rating system is to reduce the probability of large truck runaways on severe downgrades. It is based on a mathmatical model that uses gross truck weight and physical characteristic of the downgrade to predict the temperature of the truck's system brakes. The brake temperature is used to estimate the maximum safe descent speed."

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: GSRS
Price:$40
Documentation Product Number:GSRS.D
Price:$10

HISAM Highway Safety and Monitoring Software

Computer software is available for local jurisdictions to develop, monitor and evaluate their highway safety programs. HISAM provides the framework for a safety system. It is intended for jurisdictions up to 500,000 people.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:HISAM
Price:$40
Documentation Product Number:HISAM.D
Price:$10

KARS Kansas Accident Record System, Ver. 2.1

This traffic accident record database for use by local agencies provides summaries by location, characteristics and accident frequency. Flexible data coding permits use by traffic engineers and police in many states. It provides data for use in collision diagrams, site engineering analysis, and planning countermeasures.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:KARS
Price:$65
Demonstration Product Number:KARS.DEM
Price:$15

ROADSIDE

ROADSIDE is a tool for highway design and traffic engineers to make decisions on alternative treatments for roadway hazards. Volumes, roadway characteristics, hazard description and treatment alternatives are input data. The program generates comparisons based on costs and anticipated savings in tabular or graphic displays.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: ROADSIDE
Price:$40

SCCOLD Small Computer COLlision Diagram, Ver. 3.31

SCCOLD displays a form of collision diagram on any IBM PC compatible microcomputer with graphic capabilities. Accident data may be entered from the keyboard or transferred from another accident record system which keeps track of the direction of travel of both vehicles and the types of accident (right angle, rear end, etc.).

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 1
Product Number:SCCOLD
Price:$75

Safety Resource Allocation Program, Ver. 1.0

SRAPaids highway safety planning decisions by prioritizing projects based on costs and benefits. It contains three computerized methodologies: incremental benefit-cost analysis, integer programming and dynamic programming which maximize total net accident savings under a given budget constraint. An interactive input processor is included.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:SRAP
Price:$40
Documentation Product Number:SRAP.D
Price:$5

Traffic Engineering Signal Timing and Warrants

Advanced Traffic Analysis CD

Self-running CD demonstration from FHWA which produces a multimedia presentation. Designed to raise awareness & encourage the use of USDOT-sponsored research in traffic analysis. The CD provides transportation officials, traffic engineers, urban planners & civic leaders with an automated presentation of advance traffic analysis technologies developed through FHWA.

Operating System:IBM PC/MS(c)DOS
Required:CD-ROM
Level Of Support: 3
Product Number:TRAFFIC.CD
Price:Free

AAPEX Arterial Analysis Package Executive, Rel 4.2

Arterial Analysis Package Executive (AAPEX), Release 4 provides convenient access to two of the most popular traffic signal timing models: PASSER II and TRANSYT-7F. Instead of learning both data coding schemes from scratch, only one simple scheme is required. Both models can be accessed with minimal effort. PASSER II and TRANSYT-7F must be obtained separately.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 1
Product Number: AAPEX
Price:$200
Documentation Product Number:MOST.V2
Price:$35
Demonstration Product Number:AAP.DEM
Price:$5

Advanced Traffic Management

Large Urban Systems is the Proceedings of the October 1993 Advanced Traffic Management (ATMS) Conference. Topics coVer.ed include Modeling and Control, Traffic Monitoring Techniques, ATMS Applications in America, International ATMS Initiatives and Practical Issues. This is the first in a FHWA series on Management of Traffic Systems.

Product Number: ATMS93.D
Price:$20

COUNTS PC

COUNTS PC stores and reduces traffic count data and provides signal warrant analysis as per the MUTCD. Counts may be input manually or from disk files created previously. This program incorporates warrants 9, 10 and 11.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: COUNTS
Price:$40
Documentation Product Number:COUNTS.D
Price:$5

EZ-POSIT, Ver. 2.6

EZ-POSITis a window oriented signal timing optimization tool for isolated intersections. The program can optimize cycle length and phasing based on enhanced Circular 212 methodology.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 4
Product Number:EZPOSIT
Price:$5

Left-Turn Signal/Phase Warrant Program

The Left-Turn Signal/Phase Warrant computer program was developed to automate the data input and analysis process.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 6
Product Number: LTPHASE
Price:$50

Left Turn Analysis Package, Ver. 2.1

Left Turn Analysis Package uses minimal inputs to help the engineer decide whether a left turn protected phase and bay are needed at an intersection. Quick and easy to use.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 3
Product Number: LTAP
Price:$40

LINKFLO/INTCAP

LINKFLO is a set of Lotus templates to determine link-to-link relationships between up and down stream traffic flows when preparing data for TRANSYT-7F. INTCAPis a Lotus template that interactively calculates volume/capacity at intersections using the critical movement analysis.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3
Level Of Support: 3
Product Number:LINKFLO
Price:$40
Documentation Product Number:LINKFLO.D
Price:$5

MAXBAND, Ver. 2.1

MAXBAND is a mainframe signal timing optimization program. It maximizes the through bandwidths of arterials, including those in networks. It optimizes phase sequences, cycle lengths, offsets and determines splits proportional to volumes.

Operating System:Mainframe
Level Of Support: 3
Product Number:MAXBAND
Price:$40
Documentation Product Number: MAXBAND.D
Price:$20

METS

A spanish Ver.sion of WEST, aids in creation, modification and comparison of alternate TRANSYT-7F signal timing plans. Combines features of TRANSYT-7F preprocessor and postprocessor into a single package with a common user interface. Designed for frequent users of TRANSYT-7F. English and Spanish.

Operating System:IBM PC/MS-DOS 3.1
Level Of Support: 6
Product Number:METS
Price:$200

Methodology for Optimizing Signal Timing (M|O|S|T)

M|O|S|Tis a five volume set designed to cover all aspects of signal timing and analysis. Volume 1 is the MOSTReference Manual, and includes a utility disk which contains several programs for miscellaneous analyses. The others are the users guides of AAP, PASSER II-90, TRANSYT-7F and WHICH.

Volume 1, Reference Manual, Including Utility Disk
Product Number:MOST.V1
Price:$40

Volume 2,AAP Users Guide
Product Number:MOST.V2
Price:$35

Volume 3, PASSER II-90 Users Guide
Product Number:MOST.V3
Price:$15

Volume 4,TRANSYT-7F Users Guide
Product Number:MOST.V4
Price:$35

Volume 5,WHICH Users Guide
Product Number:MOST.V5
Price:$20

Individual 3-ring binders
Product Number:MOST.B
Price:$5

NOSTOP/TEAPAC, Ver. 4.30

NOSTOPdevelops the widest possible two-way progressive bandwidth between as many as twenty-five intersections of a linear arterial. Cycle length and progression speeds can be optimized together, with graphical plots of cycle efficiencies and time space diagrams.

Operating System:IBM PC/MS-DOS 2.0+ (512K)
Level Of Support: 7

NOSTOP/TEAPAC (12 Intersections)
Product Number:TPCNST.1
Price:$395

NOSTOP/TEAPAC (25 Intersections)
Product Number:TPCNST.2
Price:$495

NOSTOP/TEAPAC (12 Intersections) Windows
Product Number:TPCNST.1.WIN
Price:$395

NOSTOP/TEAPAC (25 Intersections) Windows
Product Number:TPCNST.1.WIN
Price:$495

NOSTOP/TEAPAC (12 Intersections) W95
Product Number:TPCNST.1.W95
Price:$395

NOSTOP/TEAPAC (25 Intersections) W95
Product Number:TPCNST.1.W95
Price:$495

NOSTOP/TEAPAC Demo
Product Number:TPCNST.0
Price:$5

P2BAT

P2BAT is a PASSER II-90 batch processor that iterates data created by the Arterial Analysis Package (AAP). It oVer.comes the situation where PASSER II chooses the longest cycle length to maximize the bandwidth. The input data are iterated ten times oVer. a 50 second range in 5 second increments, with the MAXIMIN cycle length centered within this range.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 4
Product Number:P2BAT
Price:$5

PASSER II-90, Ver. 2

PASSER II-90 is a major enhancement to the PASSER II model for analysis of isolated signal timing or optimizing arterial progression.It has updatedthe signalized left turn treatment, arterial progression optimization, existing timing evaluation, advanced highway capacity analysis, improved fuel consumption estimation. User friendly, menu driven graphic input/output.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 1
Product Number:P290
Price:$150
Documentation Product Number:P290.D
Price:$15

User's Guide
Product Number:MOST.V3
Price:$15

PASSER™ III-98

Progression Analysis and Signal System Evaluation Routine is the only publicly available software for analysis and optimization of signalized diamond interchanges. It was developed by the Texas Transportation Institute (TTI) for the Texas DOT and has been updated several times. PASSER™ III-98 provides significant enhancements to this widely used software package. Enhancements include a user-friendly graphical user interface, an expanded easy-to-understand output, and a simulation/animation module. Enhancements were also made to the performance evaluation model by incorporating the 1997 Highway Capacity Manual (HCM) procedures.

Operating System: MS Windows 95/98
Level Of Support: 1
Product Number: P398
Price: $300
Documentation Product Number:P398.D
Price:$15
Upgrade Product Number (from P390): P398.UPG
Price:$170

PASSER IV-96, Ver.2.1

PASSER IV-96 is an advanced arterial network signal timing optimization program. It can optimize signal timings for large multi-arterial networks based on maximizing platoon progression. It develops a timing plan that maximizes progression bandwidth on all arteries. The optimization module in this Ver.sion is compiled to run in extended memory.

Operating System:IBM PC/MS DOS 3.0+
Level Of Support: 1
Product Number:P496
Price:$250
Documentation Product Number:P496.D
Price:$15

PREPASSR/TEAPAC, Ver. 1.52

Prepare PASSER II input files using simple input process for each signal in the PASSER II arterial. All information needed by PASSER II for each intersection is coded automatically. PREPASSR uses standard, easy to use TEAPAC phasing codes. PREPASSR also produces time-space diagrams interactively which represent all phases for any selected signals in the network.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7

PREPASSR/TEAPAC (12 Intersections)
Product Number:TPCPPS.1
Price:$395

PREPASSR/TEAPAC (100 Intersections)
Product Number:TPCPPS.2
Price:$595

PREPASSR/TEAPAC Demo
Product Number:TPCPPS.0
Price:$5

PREPASSR/TEAPAC (12 Intersections) Windows 3.1
Product Number:TPCPPS.1.WIN
Price:$395

PREPASSR/TEAPAC (100 Intersections) Windows 3.1
Product Number:TPCPPS.2.WIN
Price:$595

PREPASSR/TEAPAC Demo,Windows 3.1
Product Number:TPCPPS.0.WIN
Price:$5

PREPASSR/TEAPAC (12 Intersections) Windows 95
Product Number:TPCPPS.1.W95
Price:$395

PREPASSR/TEAPAC (100 Intersections) Windows 95
Product Number:TPCPPS.2.W95
Price:$595

PREPASSR/TEAPAC Demo,Windows 95
Product Number:TPCPPS.0.W95
Price:$5

PRETRANSYT/TEAPAC, Ver. 2.62

Prepares TRANSYTinput files for virtually all Ver.sions of TRANSYTusing a simple input

process for each signal in the TRANSYTnetwork. Link numbers are created automatically, as is all information that is needed by TRANSYTfor each link, such as links which move on each signal phase. The tedious upstream-downstream flow calculations are also done automatically.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
PRETRANSYT/TEAPAC (12 Intersections)
Product Number:TPCPTR.1
Price:$495
PRETRANSYT/TEAPAC (100 Intersections)
Product Number:TPCPTR.2
Price:$695
PRETRANSYT/TEAPAC Demo
Product Number:TPCPTR.0
Price:$5
PRETRANSYT/TEAPAC (12 Intersections) Windows 3.1
Product Number:TPCPTR.1.WIN
Price:$495
PRETRANSYT/TEAPAC (100 Intersections) Windows 3.1
Product Number:TPCPTR.2.WIN
Price:$695
PRETRANSYT/TEAPAC Demo,Windows 3.1
Product Number:TPCPTR.0.WIN
Price:$5
PRETRANSYT/TEAPAC (12 Intersections) Windows 95
Product Number:TPCPTR.1.W95
Price:$495
PRETRANSYT/TEAPAC (100 Intersections) Windows 95
Product Number:TPCPTR.2.W95
Price:$695
PRETRANSYT/TEAPAC Demo,Windows 95
Product Number:TPCPTR.0.W95
Price:$5

Progression Graphics and Optimization

PROGO produces an arterial Time-Space Diagram in an animated graphic form. It has a built in bandwidth optimizer for simpler applications of a signal timing design and shows the progression on the screen. It also has a built-in data editor and can read timing plans produced by TRANSYT and PASSER.

Operating System:IBM PC/MS-DOS 2.0+
Required:CGA+
Level Of Support: 6
Product Number:PROGO
Price:$250
Demonstration Product Number: PROGO.DEM
Price:$5
Tutorial Product Number:PROGO.SNAG
Price:$5

Progression Through a Series of Intersections with Actuated Controllers

Progression Through a Series of Intersections with Actuated Controllers is a report designed to help traffic engineers in applying signal timing programs to actuated control equipment. It provides guidelines for TRANSYT-7F, PASSER, MAXBAND and NETSIM use in timing and selecting control equipment at actuated locations. (Document only)

Product Number:PROG.D
Price:$10

QUICK-7F, Ver. 7.2

Version 7.2 allows the user to easily create a database containing all of the information TRANSYT-7F needs for multiple runs. It can accommodate up to 999 intersections in a database. The user can then select any subset of data from that database, create a TRANSYT input file, run TRANSYTand view the TRANSYToutput all from within QUICK-7F.

Operating System:IBM PC/MS-DOS 3.3+
Level Of Support: 1
Product Number: QUICK7F
Price:$250
Upgrade Product Number: QUICK7F.UPG
Price:$200
Documentation Product Number: QUICK7F.D
Price:$20

SIG/Cinema

SIG/Cinema, from KLD Associates and Polytechnic Univ., implements a signal optimization capability for isolated intersections which provides optimal signal phasing sequence and optimal signal timing for each candidate signal phasing combination. Uniquely enables user to select most attractive optimization objective from among five offered. Illustrated Users Guide.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:SIGCIN
Price:$805

SIGNAL94/TEAPAC Signalized Intersection Analysis, Ver. 1.23

SIGNAL94 is a program for analyzing, designing and optimizing multiphase signalized intersections using the methods presented in the 1994 update to the Highway Capacity Manual. SIGNAL94 is fully integrated with other TEAPAC programs for the complete sharing of data between programs. A smaller version for capacity analysis only is also available.

Performs complete phasing and timing optimization based on a faithful implementation of the 1994 Highway Capacity Manual Chapter 9 procedures.

Operating System: IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:TPCS94.2
Price:$595
Demonstration Product Number:TPCS94.0
Price:$5
SIGNAL94/TEAPAC,Windows 3.1
Product Number:TPCS94.2.WIN
Price:$595
Demonstration Product Number:TPCS94.0.WIN
Price:$5
SIGNAL94/TEAPAC,Windows 95 Version
Product Number:TPCS94.2.W95
Price:$595
Demonstration Product Number:TPCS94.0.W95
Price:$5

SIGNAL97/TEAPAC Capacity Analysis Plus Optimization, Ver.1.00

SIGNAL97 is a program for analyzing, designing and optimizing multiphase signalized intersections using the methods in the 1997 update to the Highway Capacity Manual.SIGNAL97 is fully integrated with other TEAPAC programs allowing the complete sharing of data between programs. A smaller version for capacity analysis only is also available. It performs complete phasing and timing optimization based on a faithful implementation of the 1997 Highway Capacity Manual Chapter 9 procedures.

Operating System:IBM PC/MS-DOS 2.0+
Level OF Support: 7
Product Number:TPCS97.2
Price:$595
Demo Product Number:TPCS97.0
Price:$5
Windows 3.1
Product Number:TPCS97.2.WIN
Price:$595
Demo Product Number:TPCS97.0.WIN
Price:$5
Windows 95
Product Number:TPCS97.2.W95
Price:$595
Demo Product Number:TPCS97.0.W95
Price:$5

Signal Network Animated Graphics

SNAG produces a network Time-Space Diagram in an animated graphic form. It shows the progression of the interrelated of intersections on the screen by superimposing the moving green bands on the roadway network. It also has a built-in data editor for user friendly operation.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 6
Product Number:SNAG
Price:$250
Demonstration Product Number:SNAG.DEM
Price:$5
Tutorial Product Number:PROGO.SNAG
Price:$5

Signal Operations Analysis Package, Ver. 84.04

SOAP analyzes the timing for isolated signalized intersections. It assigns dials for multiple periods of the day, optimizes pretimed signal settings and evaluates both pretimed and actuated controller operations. It is Ver.y easy to use and is also part of the Arterial Analysis Package (AAP). A Data Input Manager (SOAPDIM) facilitates data entry.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 1
Product Number:SOAP
Price:$50
Documentation Product Number:SOAP.D
Price:$30

Signal Timing Database

Introducing a new tool to help you quickly maintain and organize signal timing data. Signal Timing Database v1.0 (STDB) is a highly configurable Access 97-based signal timing database designed to keep traffic engineers abreast of signal timing and phasing. This easy-to-use package stores, sorts and reports the following: Signal phasing, Local detectors, Timing parameters, System detectors, Local coordination plans, Conflict monitor settings, Event scheduler, Telemetry/interconnect data, Signal timing operations and Signal timing complaints.

STDB includes with an Access 97 run-time license and a comprehensive browser-based help system.

Operating System:MS Windows95
Level Of Support: 6

Product Number:STDB
Price: $

SYNCHRO 3, Ver. 3.2

SYNCHRO software has been upgraded to Version 3.2. New features are that it is the first and only interactive software package to analyze actuated signals. Features a new universal method for sharing data between traffic software programs and hardwares. Universal Traffic Data Format allows same intersections to be analzyed for multiple volume counts and timing plans.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:SYNCRO
Price:$1095

SYNCHRO PROFESSIONAL
Product Number:SYNCPRO
Price:$1695

SYNCHRO LIGHT
Product Number:SYNCLT
Price:$585

Demonstration Product Number:SYNCRO.DEM
Price:$5

TIMACS, Ver. 1.2

TIMACS helps you conVer.t pretimed coordinated settings obtained from PASSERII, TRANSYT-7F, or other optimization models to the appropriate settings to implement on coordination units for actuated controllers. The design report presents cycle length, yield point, force-offs and permissive periods for each dial, in seconds and percent of cycle.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:TIMACS
Price:$40
Documentation Product Number:TIMACS.D
Price:$5

Traffic Models Overview Handbook

Provides an overview of a number of Traffic Models including PASSER II, TRANSYT-7F, TRAFNETSIM, CORFLO (NETFLO 1 & 2 and FREFLO), FRESIM, ROADSIM, PASSER III, MAXBAND, SOAP, TIMACS, and FREQ. The handbook allows transportation professionals information sufficient to decide if a particular traffic model would be suitable for their applications and an idea on how much effort and resources would be required to apply the model effectively.

Product Number:TMOH
Price:$20

TRANNET

TRANNETis a program used to develop a TRAFNETSIM input data set from TRANSYT-7F input data. The program assumes that the TRANSYT input data set is error-free. TRANNETcomes in three Ver.sions: DOS, WINDOWS and extended DOS.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 3
Product Number:TRANNET
Price:$40

TRANSYT-7F, Release 8

TRANSYTis the most powerful traffic signal timing analysis tool available for general use throughout the world. In North America, the TRANSYT-7F program has become a “standard” for many states and localities. An accompanying program, the “Platoon Progression Diagram,” simulates the periodic flow patterns of traffic along specified routes.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 1
Product Number:MCT7F8
Price:$500
Upgrade from Release 7
Product Number:MCT7F8.UPG
Price:$250
MOST Vol 1,Reference Manual
Product Number:MOST.V1
Price:$40
MOST Vol.4,TRANSYT-7F User’s Guide
Product Number:MOST.V48
Price:$40

TRANSYT-7F Self Study Guide

The TRANSYT-7F Self Study Guide, developed by the Federal Highway Administration has been updated to be compatible with TRANSYT-7F Release 6. This comprehensive self study course is designed to teach the fundamentals of conducting a signal timing optimization project using TRANSYT-7F.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:T7FSSG
Price:$95

TS/PP-Draft

TS/PP-Draft is a worksheet for drafting time-space or platoon-progression diagrams. It allows the user to see the entire diagram in high resolution on the screen, easily modify any parameter for intersection, and instantly see the effects of change. It accommodates up to forty intersections, double or half cycling, English or metric units.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:TSDRFT
Price:$440
Demonstration Product Number:TSPP.DEM
Price:$5

Multi-way Stop Warranting, Ver. 1.0

WARRANTautomates the MUTCD procedures for analyzing warrants for multi-way stops. The program is user-friendly and requires input data relating to speed, accidents, and traffic and pedestrian volumes.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: WARRANT
Price:$40

WARRANTS/TEAPAC, Ver. 1.20

Produces a complete signalized intersection warrant analysis. Data can be entered manually or directly from electonic count devices (IMC & TMC). Outputs include complete assessment of warrants 1,2,6,8,9,10&11. Level 2 provides additional tabulation and peak-hour analysis options.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 7

Warrants/Teapac
Product Number:TPCWAR.1
Price:$395

Warrants Tabulation
Product Number:TPCWAR.2
Price:$595
Demonstration Product Number:TPCWAR.0
Price:$5

WEST, Ver. 2.20

WEST(Workspace for Evaluation of Signal Timings) is a sophisticated tool that combine the features of a pre-processor, a program executor, and post- processor, are combined into a single package with a common user interface. WESTcan produce customized reports generator with side-by-side comparisons of multiple TRANSYT-7F evaluations and has extensive on-line help.

Operating System:IBM PC/MS-DOS 3.3+
Level Of Support: 6
Product Number:WEST
Price:$200

WHICH

WHICH integrates the methodology for determining traffic control design parameters at individual intersections. From a common data set, the user can implement SOAP, HCS Unsignalized, HCM Chapter 11 Arterial LOS, and All-Way Stop Control. WHICH also provides access to SIDRA, HCS Signals, Rel. 2, TRAF-NETSIM, and SIGNAL85 (purchased separately).

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 1
Product Number:WHICH
Price:$250
Documentation Product Number: MOST.V5
Price:$20

CORFLO, Ver. 5

CORFLO is a component of the TRAF simulation system developed by FHWA and it is designed for the integrated urban network or corridor analysis at a macroscopic level with traffic assignment capabilities. CORFLO 5.0 includes revisions to reflect new error messages. It also has been modified to handle 2000 links and 700 nodes, with some limits.

Operating System:IBM PC/MS-DOS 5.0+
Level Of Support: 1
Product Number:CORFLO
Price:$350
Documentation Product Number:TRAF.D
Price:$50
Demonstration Product Number: CORFLO.DEM
Price:$5

FLEXSYT-II, Ver. 1.2

An event-based microscipic simulation tool for traffic management studies. The successor of FLEXSYT-I. Uses a special traffic control language called FLEXCOL-76 based on the rules of Boolean algebra. With FLEXSYT-II it is possible research structure of the network. Can be used to study all kinds of traffic control strategies and traffic management measures.

Operating System:IBM PC/MS-DOS 3.1+ (4MB)
Level Of Support: 7
Product Number:FLEXSYT
Price:$3000

INTEGRATION, Ver. 2.0

The INTEGRATION model was developed to model the interactions of freeways and surface streets, simulation and traffic assignment, static and dymanic controls and routings. The Ver.sion 2.0 represents a significant upgrade, includig features as: integrated freeway and arterial car following, lane changing and gap acceptance logic, HOV restrictions, and others.

Operating System:486DX, VGA,4 MB RAM
Level Of Support: 6
Product Number:INTEG
Price:$395

ITRAF Version 2.7

ITRAF is an object-oriented graphical user interface for the Windows environment that was designed to simplify the TRAF (CORSIM and CORFLO) models input data process. Based on a link-node concept, ITRAF allows the user to graphically construct the network and input most of the required data by clicking buttons or dragging icons. This version provides full support to the current CORSIM and CORFLO models including networks for NETSIM, FRESIM, NETFLO LEVELI, NETFLO LEVELII, and FREFLO. The user can graphically input or modify all the information related to the geometry of the simulated network including surface streets, freeway links, on-ramp and off-ramp links, intersections, bus stations, and bus routes.

Operating System: MS Windows 3.1+
Level Of Support: 2
Product Number: ITRAF
Price: $75
Documentation Product Number:ITRAF.D
Price:$20

PRENETSIM/TEAPAC, Ver. 1.22

Prepares TRAF-NETSIM input files using a simple input process for each node in the TRAF-NETSIM or CORSIM network. Link numbers are created automatically, as is all information needed by TRAF-NETSIM for each link and node. Phasings and timings for each signal are specified in traffic engineering terms.

Operating System:IBM PC/MS DOS 2.0+
Level Of Service: 7
PRENETSIM/TEAPAC (12 Intersection)
Product Number:TPCPNT.1
Price:$495
PRENETSIM/TEAPAC (100 Intersections)
Product Number:TPCPNT.2
Price:$695
PRENETSIM/TEAPAC Demo
Demonstration Product Number:TPCPNT.0
Price:$5
PRENETSIM/TEAPAC (12 Intersection) Windows 3.1
Product Number:TPCPNT.1.WIN
Price:$495
PRENETSIM/TEAPAC (100 Intersections) Windows 3.1
Product Number:TPCPNT.2.WIN
Price:$695
PRENETSIM/TEAPAC Demo,Windows 3.1
Demonstration Product Number:TPCPNT.0.WIN
Price:$5
PRENETSIM/TEAPAC (12 Intersection) Windows 95
Product Number:TPCPNT.1.W95
Price:$495
PRENETSIM/TEAPAC (100 Intersections) Windows 95
Product Number:TPCPNT.2.W95
Price:$695
PRENETSIM/TEAPAC Demo,Windows 95
Demonstration Product Number: TPCPNT.0.W95
Price:$5

SimTraffic

SimTraffic is a program for modeling networks of signalized and unsignalized intersections. It can perform complete studies of traffic networks and uses driver and vehicle performance characteristics recommended by the FHWA for use in modeling software. It can model multiple timing periods with varying traffic volumes and signal timings.

Operating System:MS Windows 95 or NT
Level Of Support: 7
Product Number:TRAFSIM
Price:$585

TEXAS Model for Intesection Traffic, Ver. 3.11

The TEXAS Model evaluates the operational effects of traffic demands, types of traffic control and geometric configurations at individual intersections. It assesses the effects of changes in roadway geometry, driver. and vehicle characteristics, flow conditions, lane control and signal timing plans upon operations using animated graphics.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 1
Product Number:TEXAS
Price:$225
Documentation Product Number:TEXAS.D
Price:$25
Demonstration Product Number: TEXAS.DEM
Price:$5

TSIS 4.3

Traffic Software Integrated System– The latest version of FHWA's integrated simulation environment, featuring CORSIM & TRAFVU. The TSIS package ships with CORSIM and TRAFVU installed and allows the user to install his/her own set of custom tools. The result is a seamless shell that allows the researcher or practitioner to operate multiple tools from one common environment. The heart of TSIS is the CORSIM microscopic simulation. CORSIM embodies all the logic and features of NETSIM and FRESIM. This allows you to simulate vehicle behavior on networks consisting of both surface streets and freeways. TSIS 4.3 has a number of significant enhancements in CORSIM that make it desirable. The most visible changes affect the lane-changing and car-following logic behavior of vehicles. These algorithms have been refined to make vehicle behavior more realistic. A new feature in TSIS 4.3 is the ability to model ramp-meters at freeway on-ramps.

Operating System:MS Windows 95
Level Of Support: 1
Product Number:TSIS
Price:$500
TRAF-NETSIM & FRESIM Upgrade
Product Number:TSISNFU.W95
Price:$250
TRAF-NETSIM Only Upgrade
Product Number:TSISNU.W95
Price:$250
FRESIM Only Upgrade
Product Number:TSISFU.W95
Price:$250
Documentation
Product Number:ITRAF.D
Price:$20

Traffic Engineering Traffic Maintenance

Berkeley Traffic System III
BTS III is a package of 13 programs that provide inventory and maintenance management capabilities in these areas signs, markings, roads, lighting, traffic signals, volumes and spot speed studies, isolated signal timing, signalized and unsignalized performance and capacity, and records for accidents, citations and citizen comments.

Operating System:IBM PC/MS-DOS 2.1+
(512K) Required:dBASE III+
Level Of Support: 1
Product Number:BTS3
Price:$200
Documentation Product Number:BTS3.D
Price:$20

KAR II, Ver. 7.0
KAR II is a roadway characteristics/inventory data gathering and editing package that provides for interactive gathering, Ver.ifying and editing of detailed roadway inventory data. It provides for the creation and maintenance of a complete database with rapid data entry through the use of function keys, macros, touch tablets and automatic record-capture functions

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 6
Product Number:KARII
Price:$1500

North Dakota Sign Management System, Ver. 4.0
NDSMS is designed to meet the sign inventory needs of both County Highway and City Street Departments. While the process was developed to provide a procedure for collecting and recording the initial sign inventories, it serves equally well as a vehicle for maintaining the inventory and managing the system.

Operating System:IBM PC/MS-DOS 3.3+,
dBASE III+ or IV
Level Of Support: 3
Product Number:NDSMS
Price:$40
Documentation Product Number:NDSMS.D
Price:$5

QUEWZ
QUEWZ is a program designed for evaluation of freeway work zones but can be used for other highway types. Single direction closures and crossovers are methods used to analyze work zones. Cost calculations include: estimation of vehicle capacity through work zones, average speed, delay through lane closure section, queue delay and more.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 5
Product Number: QUEWZ
Price:$5
Documentation Product Number: QUEWZ.D
Price:$5

Sign Inventory System
Sign Inventory System automates the inventory of traffic signs to assist agencies in developing and maintaining a comprehensive program to insure that signs installed are in compliance with the MUTCD. SIS provides a method of identifying and correcting traffic sign deficiencies.

Operating System:IBM PC/MS-DOS 2.0
Level Of Support: 3
Product Number:SIS
Price:$50
Documentation Product Number:SIS.D
Price:$20

SIGNS ^3
SIGNS ^3 enables users to computerize traffic sign inventories. The program is in dBASE III format. Anyone who is familiar with dBASE programming can customize the screens and reports to suit their individual needs.

Operating System:IBM PC/MS-DOS 2.0+
Required:dBASE III
Level Of Support: 3
Product Number:SIGNS3
Price:$40
Documentation Product Number:SIGNS.D
Price:$15

Transit Operations

Automated Transit Ridership Data Collection
Automated Transit Ridership Data Collection Software (ATRDCS) integrates pre-data collection, data collection and database functions. It creates a "stoplist" file for data collection, collects data on a portable computer, and performs database and reporting functions. Reports depict ridership and route adherence data for various routes, times and days.

Operating System: IBM PC/MS-DOS 3.1+
Level Of Service: 3
Product Number: ATRDCS
Price:$40
Documentation Product Number: ATRDCS.D
Price:$5

Chapel Hill Scheduler
CHS (Chapel Hill Interactive Bus Scheduler) is an easy-to-learn, well documented scheduling aid for the small, fixed-route operator. It is most efficient in scheduling long blocks of repetitive trips with uniform headways within major segments of the day. Odd headways and "trippers" may be accommodated. Program facilitates manual blocking, but NOT runcutting.

Operating System:IBM PC/MS-DOS 1.1+
Level Of Support: 3
Product Number:CHS
Price: $40
Documentation Product Number:CHS.D
Price: $5

Cost Allocation Applications
Consists of a set of three spreadsheets that determine the costs of operating specific routes and services: (1) calculates statistics for comparing different type services; (2) provides a method to monitor paratransit services; (3) calculates cost, performance, and revenue by time period.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3,Release 1A+
Level Of Support: 3
Product Number:COST
Price:$45
Documentation Product Number:COST.D
Price:$5

Days Off Calculator, Ver. 3.0 (DOS), Ver. 2.0 (WIN)
The Days Off Calculators allocate crew members among the seven days of the week, taking into account the need for different staffing levels on various days and optimizing the off-days assigned to each crew member. The software is now available in DOS and Windows versions. Both versions are able to be used in any crew-scheduling application.

Operating System:IBM PC/MS-DOS 3.0+,
Windows 3.1+
Level Of Support: 4
Product Number: DAYS
Price:$5

Fixed Guideway Transit
Fixed Guideway Transit is a package useful to determine a variety of performance factors including travel time profiles; horizontal alignment including curve radii, spirals, circular curves and superelevation; grade crossing accident exposure given train frequency, traffic volumes and grade crossing protection; and transit system capital costs.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:FGT
Price:$40
Documentation Product Number:FGT.D
Price:$10

Fleetmax
Fleetmax is the easy-to-use vehicle management system that eliminates manual record keeping. It uses a pull-down menu system and pop-up lists. Users save data entry time because all Fleetmax modules are integrated. Modules include vehicle management, preventive maintenance, work orders, parts inventory, fuel usage, personnel, reports and options.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Service: 7
Product Number:FMX
Price:$995
Windows Version
Product Number:FMX.WIN
Price:$995
Demonstration Product Number:FMX.DEM
Price:$5

GFI Farebox Software Utilities

Simple utilities helps users of GFI farebox software manage some of the required data files, and helps with report generation. Containes three main programs. Designed for GFI Version 4.x software.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 4
Product Number: FAREBOX
Price:$5

Inventory CTRL

Inventory CTRLis a companion module to VehicleCTRLdesigned for fleets with own maintenance shop and in-house inventory, but is not limited to parts control. It can be utilized to control any type inventory for the company. Prime benefit is to allow the company to shop to stock only parts that are in high demand to reduce vehicle down time and costs of stocking inventory.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:ICTRL
Price:$1195
Demonstration Product Number:ICTRL.DEM
Price:$5

Paratransit Vehicle Maintenance

PVM (Paratransit Vehicle Maintenance) is intended for rural and specialized paratransit operations. PVM is a database program to assist the maintenance management for small agencies. It includes modules for maintaining vehicle histories, preventative maintenance scheduling, vehicle repairs and performance reports. PVM is menu-driven and provides for user-defined parameters.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 3
Product Number:PVM
Price:$40
Documentation Product Number:PVM.D
Price:$20

Section 15 Transit Agency Performance Data

The tables provide performance indicators for over 400 transit agencies in the United States, collected from 1981 through 1992. The data sets include fiscal, ridership, safety, vehicle, mileage and labor reports. All data are available in Lotus 1-2-3 format.

Operating System: IBM PC/MS-DOS 2.0+
(512K) Required:Lotus 1-2-3,Release 1A+
Level Of Support: 3
Price:$20 per Year Dataset

Year	Product Number
1981	SECT1581
1982	SECT1582
1983	SECT1583
1984	SECT1584
1985	SECT1585
1986	SECT1586
1987	SECT1587
1988	SECT1588
1989	SECT1589
1990	SECT1590
1991	SECT1591
1992	SECT 1592

User's Guide
Product Number:SECT15.D
Price: $15

Small transit Data Management Software

SST3 is a menu driven dBase III application which manages data on clients, reservations and vehicles. In addition, SST3 provides a number of management reports necessary to determine both relative and historical trends in system performance.

Operating System:IBM PC/MS-DOS 2.0+
dBASE III+
Level Of Support: 3
Product Number:SST3
Price:$40
Documentation Product Number:SST3.D
Price:$5

Statistical Sampling of Trip Data

This program determines which vehicle trips should be sampled to obtain statistically valid values for route ridership, fare levels, etc. The program follows the procedures and uses the values in the tables of the Bus Transit Monitoring Manual (Report No. UMTA-IT-09-9008-81-1).

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:SSTD
Price:$40
Documentation Product Number:SSTD.D
Price: $5

Transit Operator Planning,Diagnostics

TOPDOG can assist transit managers in planning and analyzing their vehicle operator requirements. The program assists in determining the most cost effective number of full time and part time operators to employ based on service schedules and operator work assignments.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number: TOPDOG
Price:$45
Documentation Product Number: TOPDOG.D
Price:$20

Transit Spreadsheet Applications

A collection of four spreadsheet templates including 1) labor and fuel budgeting; 2) cash budgeting; 3) analysis of ride check data as collected for Section 15 reporting; and 4) Route Planner which allows the segmentation of a route, measurement of distance, running times, etc.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3,Release 1A+
Level Of Support: 3
Product Number:TSSAPP
Price:$40

VehicleCTRL

VehicleCTRLis a Vehicle Maintenance Reporting System designed to enable fleet managers to track the operating costs of individual motor units and to schedule and track maintenance of same, both preventive and non-preventive. Uses standard American Trucking Associations coding schemes or can be tailored specifically by the using company. See also InventoryCTRL.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:VCTRL
Price:$1295
Demonstration Product Number:VCTRL.DEM
Price:$10

Transit Planning

Bus Transit Garage Space Requirements Model, Ver. 5

The BBARN program generates a detailed architectural space program for any bus fleet from 5 to 350 buses. The space program includes an itemized breakdown for more than 60 elements in the general offices, operations, repair, vehicle storage (indoors or outdoors), and outside areas.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:BBARN
Price:$695

Cost Allocation Model, Ver. 1.0

CAM assists in estimating a public transit authority's costs to provide an equitable comparison with a private operator's costs. A key consideration is the comparison of future costs. A method is needed for comparing public and private operating costs of new service, as well as estimating effects of transferring existing service to a private operator.

Operating System:IBM/MS-DOS 2.1+
Required:Lotus 1-2-3,Release 2
Level Of Service: 3
Product Number:CAM
Price:$40
Documentation Product Number:CAM.D
Price:$5

Disaggregate Elasticity Model

DELis an easy-to-use Lotus spreadsheet designed to forecast the impact on ridership and revenue of an overall fare and service policy for each user-defined submarket. The effects of demographic changes, seasonality, ridership shifts and inflation are considered by the model.

Operating System:IBM PC/MS-DOS 2.0+
(384K) Required:Lotus 1-2-3,Release 1A+
Level Of Support: 3
Product Number: DEL
Price:$40
Documentation Product Number:DEL.D
Price:$5

Macintosh Version
Product Number:DEL.MAC
Price:$40

Rural Passenger Transportation

RPTspreadsheets implement the computational procedures described in the Workbook for Estimating the Demand for Rural Passenger Transportation developed under Transit Cooperative Research Program B-3. The spreadsheet implements computations to estimate annual demand (one-way trips) for both Program Related and Non-Program Related services.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:RPT
Price:$40
Documentation Product Number:RPT.D
Price: $25

Service Planning Case Studies

A series of service modifications are analyzed using A) cost allocation and B) a supply Ver.sus cost model. Part B uses the unit costs computed in Part A to calculate bus requirements and costs by time period. Very useful for the novice spreadsheet user and can be tailored for easy customization.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3,Release 1A+
Level Of Support: 3
Product Number:SPCS
Price:$40
Documentation Product Number:SPCS.D
Price:$5

Transit Route Planning CAI Course

This is a 5- to 6-hour course of instruction about principles of route evaluation, route location, and ridership estimation. The computer asks questions, evaluates responses, provides tutorials, and keeps score. "Route Evaluation" coVer.s basic definitions, operating characteristics of routes, performance indicators and costs of operation. Course revised for Windows.

Operating System:IBM PC/MS-DOS 3.1+ and Windows
Level Of Support: 5
Product Number:CAI
Price:$15

Transportation Planning Data Processing

Advanced General Network Editor, Ver. 6.0

General Network Editor is a graphic network information system that can be used as a stand-alone or to supplement QRS II or HLFM II. GNE can be utilized in pavement management and transit performance monitoring. The powerful graphics and menu system enable faster, easier data entry and report processing. Recently overhauled to provide major enhancements

Operating System:IBM/Windows95/98/NT4
Level Of Support: 7
Product Number: GNE.WIN
Price:$245

License Plate Data Analysis Package

LPlate_ (License Plate Data Analysis Package) is used to enter and analyze data from License Plate or Tag surveys. It includes programs that facilitate Data Entry. Data Matching and Reporting.
IBM PC/MS-DOS 3.1+

Level Of Support: 7
Product Number:LPLATE
Price:$775

MVMACH, Ver. 5.4

MVMACH is a comprehensive license plate matching program for O-D or parking surveys. It has a large capacity, handles multiple screenline and cordon crossings, and includes its own sort utility. Features include matching of partially correct recordings and time constraints of matches.

Operating System:Windows3.x/95/NT
Level Of Support: 7
Product Number:MVMACH
Price:$1500

Survey, Ver. 5.4

Survey is a comprehensive survey analysis package including Data Editing, Record Manipulation, Data Correction, Cross-Tabulation and Regression Analysis. The package can handle hierarchic records or fixed-length records. It is also a module of the TRIPS transportation package.

Operating System:Windows3.x/95/NT
Level Of Support: 7
Product Number:SURV
Price:$1500

Traffic Interpolation and Extrapolation Software, Ver. 1.1

TIES is developed for conducting interpolation and extrapolation of traffic volumes needed for numerous transportation planning and traffic engineering applications. Although primarily oriented towards transportation profes- sionals, this program can easily be applied to disciplines such as urban planning, economics and business.

Operating System:IBM PC/MS-DOS 3.0+
Level Of Support: 6
Product Number:TIES
Price:$150

ZDATA, Ver. 1.3

ZDATA INTERPOLATION PROGRAM expands the use of the FSUTMS Travel Demand Forecasting Model. Nearly all validated FSUTMS models are established for two particular years, 1980 and 2010. The ZDATA INTERPOLATION PROGRAM allows users of the TRANPLAN-based FSUTMS to create intermediate year models for site impact, air quality, capital improvement and concurrency analyses.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 6
Product Number:ZDATA
Price:$50

HALLEY, Ver. 3.2

HALLEYis a population projection spreadsheet in three parts 1) a life ex- pectancy table; 2) an age structure model; and 3) a population projection model. The population projection model can evaluate different growth scenarios oVer. the next ten years and can form the driving force of other types of demand forecasts. COHORT allows user to enter rates directly.

Operating System:IBM PC/MS-DOS 1.1+
Required:Lotus 1-2-3
Level Of Support: 3
Product Number:HALLEY
Price:$40
Documentation Product Number:HALLEY.D
Price:$10

Hierarchical Logit for Windows™

HieLoW™ is a user-friendly software designed to help modelling discrete choice behaviors. It is integrated in the Windows environment. HieLoW can be used in the context of any choice behavior analysis including land use planning and transportation. It helps transportation professionals to model travel behavior in the context of mode choice, route or parking choice.

Operating System:Windows 3.1+ .
Requirement:at least 80386 processor.
Level Of Support: 7

HieLoW Package (English)
Product Number:HIELOW.EN
Price:$4000

HieLoW Package (French)
Product Number:HIELOW.FR
Price:$4000
Demonstration Product Number: HIELOW.DEM
Price:$10

Highway Land-use Forecasting Model II

HLFM II uses the General Network Editor for data manipulation, incorporates most of QRS II's traffic forecasting procedures, including elastic-demand equilibrium and incremental assignments. This is especially useful for mid- or long-range planning in cities that are undergoing relatively large changes to their highway system.

Operating System:IBM PC/MS-DOS
Level Of Support: 7

300 Zones
Product Number:HLFMQRS.300
Price:$390

600 Zones
Product Number:HLFMQRS.600
Price:$585

900 Zones
Product Number:HLFMQRS.900
Price:$780

GNE purchased with HLFM
Product Number:GNE.HLF
Price:$195

MODE CHOICE

MODE CHOICEis a work trip mode choice estimation template which provides a worksheet based technique for the estimation of trip modes for work trips. Three modes of travel—drive alone, shared ride, and transit–are modeled. A moderate level of data on travel, population and choices is required for the model.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3
Level Of Support: 3
Product Number:MODE
Price:$40

Mode Choice Modeling

A self instructing course in disaggregate mode choice modeling. The course includes a text, solved examples, problems to solve and their solutions. A supplement to the course provides problems to be worked on a microcomputer. The text can be studied independently of the computer program.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Poduct Number:CALIB
Price:$60

Simplified Project Forecasting

SPF is a simplified travel demand forecasting system which captures the impact of changes in land use and in transportation networks to produce a growth factor for estimating a base year traffic count. Data required are trip generation characteristics such as population and employment for any zonal system for both the existing and forecast year.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:SPF
Price:$40
Documentation Product Number:SPF.D
Price:$20

The Highway Emulator

THE (The Highway Emulator) Model performs highway demand forecasting using a traditional four-step modeling approach. This menu driven package allows the user to create a highway network, generate and distribute trips according to the methods outlined in NCHRP187, and assign trips using either capacity restrained or equilibrium algorithms.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:THE
Price:$45
Documentation Product Number:THE.D
Price:$15

TMOVES, Ver. 1.1

TMOVES estimates turning movements at intersection to match user-supplied approach inflows and outflows based on a "seed matrix" of turning flows. This program offers effective method to conVer.t AADTvolumes into turning movement estimates, allowing user to conduct turning movement surveys less frequently and to apply travel forecasts to the turning movement level.

Operating System:IBM/PC-DOS 2.1+
Level Of Support: 3
Product Number:TMOVES
Price:$40
Documentation Product Number:TMOVES.D
Price:$5

TRANS-EXPERT, Ver. 4.0

TRANS-EXPERT supports planning activities when preparing for transportation of goods and cargoes with transport vehicles. Helps to identify the best utilization of the transport vehicles. Ensures against possible overloads. Aids in development of a Cargo Plan. Gives a kind of 3-D description of the loading operation to be performed to achieve best usage of the vehicle.

Operating System:IBM PC/XT/AT
Level Of Support: 6
Product Number:TRANEXPT
Price:$495

Travel Demand Management Evaluation Model, Ver. 2.2

The TDM Model is an analytic tool that supports the design and quantitative evaluation of Travel Demand Management (TDM) programs. TDM represents a serious option to traditional "supply-oriented" methods of dealing with mobility needs and traffic congestion problems.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 1
Product Number:TDM
Price:$250
Documentation Product Number:TDM.D
Price:$20
Demonstration Product Number:TDM.DEM
Price:$5

UfosNET, Ver. 1.3

UfosNETis a GIS-based travel demand forecasting system which presents GIS mapping, integrated highway traffic simualation, and powerful editing and importing/exporting capabilities. The program offers an integrated transportation and land-use simulation system in a user-friendly environment.

Operating System:IBM PC/MS-DOS 3.1+
Required:MS Windows
Level Of Support: 7

Professional A
Product Number:UFOSNET
Price:$9500

Professional B
Product Number:UFOSNETB
Price:$6500

Lite
Product Number:UFOSLIT
Price:$3500

Academic
Product Number:UFOSAC
Price:$995

Transportation Planning Network Assignment

b-Node Model

b-Node Model is a traffic assignment model that converts the b-node of every zone centroid connector link into a subzone. The program reads a typical highway network and a zone trip table. It subdivides the trip table into a subzonal trip table and loads part of it through the "mother" zone centroid connectors and the other part through the new subzone centroid connectors automatically. The results are far superior to traditional assignment algorithms. Limitations are 2,250 zones; 16,400 nodes; and 24,750 subzones.

Operating System:MS Windows 3.1+
Level Of Support: 7
Product Number:BNODE
Price:$900

CONTRAM/5, Ver. 4

CONTRAM is a dynamic traffic assignment model for design of traffic manage- ment schemes in congested urban areas. It simulates "packets" of vehicles traveling through a network and predicts vehicle routes, flows, queues, delays and turning movements. It models time variation, and growth and decay of peak periods.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:CONTRAM
Price:$2625

MicroTRIMS, Ver. 1.1

MicroTRIMS is a model that can build networks and trees; generate, distribute and assign trips; and use mode split and capacity restraint to handle up to 1350 zones, 7250 nodes and 4 purposes in one execution. It will manipulate matrices and report turning movement data, vehicle miles of travel, levels of service and other results.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:MCTRIMS
Price:$55
Documentation Product Number:
MCTRIMS.D
Price:$5

QRS II for Windows, Ver. 5.10

QRS II is designed for highway traffic and/or ridership forecasting. It can perform equilibrium traffic assignments, as well as stochastic-multipath assignments. Signalized and some-way stop models have been completely rewritten. Tools have been upgraded for flexibility and a better user-interface. Has expanded "add" file capabilities. 2400 maximum zones, and up to 32,000 (two way) highway links.

Operating System:IBM PC/MS-DOS 3.1+ and Windows 95
Level Of Support: 7
300 Zones
Product Number;QRS.300
Price:$195
600 Zones
Product Number:QRS.600
Price:$390
900 Zones
Product Number:QRS.900
Price:$585
QRS and ADV.GNE for Windows,300 Zones
Product Number:QRSGNE.300
Price:$390
QRS and ADV.GNE for Windows,600 Zones
Product Number:QRSGNE.600
Price:$585
QRS and ADV.GNE for Windows,900 Zones
Product Number:QRSGNE.900
Price:$780
QRS and ADV.GNE for Windows,2400 Zones
Price:$1075
Demonstration Product Number:
QRSGNE.DEM
Price:$5

SATURN, Ver. 8.4

SATURN (Simulation and Assignment of Traffic to Urban Road Network) is a combined simulation and assignment model suitable for the analysis of rela-
tively minor network changes that require detailed analysis of traffic behavior at intersections. The various interactive and graphical facilities may be used for the analysis of network based data unrelated to traffic.

Operating System:MS-DOS 3.3+
Level Of Support: 7
Product Number:SATURN
Price:$12950

TMODEL2, Ver. 2.0

TMODEL2 is a planning package for regional, subregional, corridor, and site impact analysis. Powerful post simulation run analysis tools include screen graphics Editor/Reporter which allows Enter/Edit Insert, Delete, Buffer and display by color and width.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:TMODEL2
Price:$3800
Education Version
Product Number:TMODEL2.ED
Price:$150
Sample Version
Product Number:TMODEL2.DEM
Price:$125

TP/4-in-1

TP/4-in-1 runs the 4-step travel forecasting process, all in one execution on a PC. It is structured to execute the model for any size area. The major advantage of this software is that it is designed for the novice transportation planner. Once a region's MPO model is streamlined to fit within the structure of TP/4-in-1, it could be executed by any suburban jurisdiction planner or it could be built from scratch for any new urbanized area. Running the model frequently or for only a few times per year is feasible for those unfamiliar with transportation modeling. Limitations are 2,250 zones; 16,400 nodes; and 128,000 links.

Operating System:IBM PC/MS DOS 3.1+
Level Of Support: 7
Product Number:TP4IN1
Price:$900

TrafikPlan

TrafikPlan is an interactive PC package for local area traffic planning and impact assessment. It combines a traffic database system with an assignment model. It includes a wide range of traffic control devices, road types and control systems.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 6
Product Number:TRAFIKP
Price:$1995
Education Version
Product Number:TRAFIKP.ED
Price:$495

TRIPS/32

TRIPS/32 is a comprehensive transportation planning package, providing a broad spectrum of modeling options. TRIPS modules will perform:

- Highway & Transit System Analysis
- Travel Demand & Forecasting
- Matrix Estimation & Manipulation
- Network Assignment
- Subarea Windowing for both matrices & networks
- Select Link Analysis
- Network Plots of user defined windows
- Interactive Color Network & Presentation Graphics
- Transit model with multi-pathing, user specified fare structures & crowding constraint
- Support for UNIX workstations & networks
- North American based distribution support & training
- Hierarchical node numbering with support for up to10,000 zones
- Windows based project management tool

Operating System:MS Windows NT
Level Of Support: 7
Product Number:TRIPS32
Price:$8715
Call for public agency/educational user price schedule.

Transportation Planning Project Management

Better Decisions,Release 4

Better Decisions is a spreadsheet program intended to help users solve problems with multiple solutions and criteria. It allows the user to evaluate alternative policies, plans, or programs. The program is completely menu-driven and help is a choice on every menu.

Operating System: IBM PC/MS-DOS 2.1+
Level Of Support: 7
Product Number:BD
Price:$95

Decision Support System, Ver. 2.0

DSS is intended to improve the quality of decisions about reinvestments in the transportation infrastructure. It assists in the economic analysis of project costs, vehicle travel time savings, fuel cost savings and accident reduction benefits. It supports both objective and judgmental estimates of project characteristics and benefit/cost analysis.tc “DSS is intended to improve the quality of decisions about reinvestments in the transportation infrastructure. It assists in the economic analysis of project costs, vehicle travel time savings, fuel cost savings and accident reduction benefits. It supports both objective and judgmental estimates of project characteristics and benefit/cost analysis.”

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number: DSS
Price:$40
Documentation Product Number:DSS.D
Price:$10

Highway User Cost Accounting

Highway User Cost Accounting helps address questions concerning the user benefits associated with highway capacity improvements as compared to the costs of their implementation. The program uses techniques from the 1985 Highway Capacity Manual, the 1977 AASHTO Manual of User Benefit Analysis and the 1982 ITE Traffic and Transportation Engineering Handbook.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 3
Product Number:HUCA
Price:$40
Documentation Product Number:HUCA.D
Price:$15

MicroBENCOST

MicroBENCOSTwill analyze benefits and costs for many highway improvements and can allocate corridor traffic and calculate forecasted traffic volumes. It can analyze seven categories of projects which include added-capacity; bypasses; intersections and interchanges; pavement rehabilitation; bridges; safety improvements; and highway-railroad grade crossings.

Operating System:IBM PC/MS-DOS 3.3+
Level Of Support: 3
Product Number: BENCOST
Price:$50
Documentation Product Number:BENCOST.D
Price:$35
Documentation Supplement Product Number:BENCOST.DS
Price: $30

Municipal Equipment Management System

The Municipal Equipment Management System is a software package designed to help provide and easy, quick and efficient management system for small to medium size municipalities. MEMS will also provide detailed reports in all areas of management.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:MEMS
Price:$45
Documentation Product Number:MEMS.D
Price:$20

Program Development and Management System, Ver. 1.0

PDMS is a tool for developing, managing, and coordinating multi-year capital or maintenance improvement programs which include many interrelated projects on different facilities at various locations. Projects, programs, locations,and activities are integrated in a single comprehensive database.

Operating System:IBM PC/MS-DOS 3.3
Level Of Support: 7
Product Number:PDMS
Price:$250

Simplified Procedure for Evaluating Projects

The software provides a tutorial on the application and use of NCHRPReport 263 titled “Simplified Procedures For Evaluating Low-Cost TSM Projects.” It provides guidelines and recommendations for planning, programming and implementing all types of low-cost transportation improvements.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 3
Product Number:TSM
Price:$55
Documentation Product Number:TSM.D
Price:$20

Transportation Planning Site Analysis

ASSIGN9, Ver. 1.0

ASSIGN9 assists traffic engineers and transportation planners in analyzing scenarios through an interactive process for performing trip generations and assignments, and the level of service analysis required when preparing a site traffic analysis. ASSIGN9’s ease of data entry is obtained through its unique display of a roadway network and interactive data fields.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:ASSIGN9
Price:$700
Demonstration Product Number: ASSIGN9.DEM
Price:$20

Intersection Analysis Spreadsheets, Ver. 3.0

This is a collection of three Lotus spreadsheets for analyzing intersection data from a planning perspective. The spreadsheets are 1) Peak Hour Intersection Turning Movement Survey; 2) Peak Hour Turning Movement Projections Iterative Process; and 3) Signalized Intersection Capacity Analysis. All of the spreadsheets are menu driven and interactive.

Operating System:IBM PC/MS-DOS 3.0+
Required:Lotus 1-2-3
Level Of Support: 3
Product Number:IAS
Price:$40
Documentation Product Number:IAS.D
Price:$5

TRAFFIC ASSIGNMENT SPREADSHEET SYSTEM, Ver. 1.0

L-TASS is a site impact analysis tool to organize and automate the traffic assignment process and provide HCS planning level capacity analysis. It is designed for small-area site impact studies with a maximum of 10 sites and 20 intersections.

Operating System:IBM PC/MS-DOS 3.3+
Required:Lotus 1-2-3 releases 2.2,2.3,or 2.4
Level Of Support: 7
Product Number: LTASS
Price:$250
Demonstration Product Number: LTASS.DEM
Price:$5

Planning and Project Development Spreadsheet

These spreadsheets are macro driven templates in Lotus 1-2-3. The templates automate the hand calculator methods presented in NCHRP Report 255. These templates coVer. the following five topics 1) refining system output; 2) estimating traffic for different forecast years; 3) quick response capacity analysis; 4) turning movement calculations; and 5) traffic loadings (ESAL).

Operating System:IBM PC/MS-DOS 2.0+ (256K) Required:Lotus 1-2-3
Level Of Support: 3
Product Number:PPDS
Price:$40
Documentation Product Number:PPDS.D
Price:$10

Roadway/Intersection Air Quality

These programs are spreadsheet templates which are used to estimate the air quality impacts of a roadway’s design. Design parameters include the number and width of travel lanes, projected volumes, design capacities, roadside characteristics and roadway type.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3
Level Of Support: 3
Product Number:RAQIAQ
Price:$40
Documentation Product Number:RAQIAQ.D
Price:$10

SITE, Ver. 2.0

The SITE series of Lotus 1-2-3 spreadsheet templates is designed for use in analyzing the impacts of site development on adjacent traffic levels. The package consists of six menu driven modules listed: 1) GFACTOR; 2) EXTRAP; 3) SITETRIP; 4) ONESITE; 5) TRIPRATE; and 6) CAPACITY. SITEMAX has now been added to expand the size of the area that can be analyzed.

Operating System:IBM PC/MS-DOS 2.0+
Required:Lotus 1-2-3
Level Of Support: 3
Product Number:SITE
Price:$45

SITE/TEAPAC Generation, Distribution, Assignment, Ver. 3.40

SITE provides an automated method for the typical manual technique of generating, distributing and assigning site traffic for small to medium sized multi-use impact studies. Resultant volumes can be used directly by other TEAPAC programs such as SIGNAL94 for capacity analysis.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
SITE/TEAPAC (12 Intersections)
Product Number:TPCSIT.1
Price:$395
SITE/TEAPAC (25 Intersections)
Product Number:TPCSIT.2
Price:$495
Demonstration Product Number:TPCSIT.0
Price:$5

TRAFFIX, Ver. 7.0

TRAFFIX for Windows is a traffic impact analysis program that aids in the analysis of impacts of new development and the analysis of intersection and segment Level Of Service (LOS). It has user-friendly menus and data screens and powerful analysis capabilities. It can analyze up to 1000 intersections in a single run, perform LOS analysis for signalized, unsignalized, and arterial, and interactively test mitigation measures. Choice of LOS methods is offered.

Operating System:MS Windows 95/NT
Level Of Support: 7
Product Number:TRAFFIX.95
Price:$1840
Documentation Product Number:TRAFFIX.D
Price:$75

TRANMAP

TRANMAPis a suite of tools providing traffic engineers with a analytical environment for performing site traffic impact analysis using tried and true procedures. The program supports Trip Generation and Distribution, Network and Route definition, Trip Assignment, Background, Traffic definition and Total Volume calculations. When used with CCG/CALC 2, Signalized Intersection Analysis is also fully supported.

Operating System:MS Windows 3.1+
Level Of Support: 7
Product Number:TRANMAP
Price:$900

TRIP GENERATION, Ver. 4.0

Trip Generation Version 4 calculates the amount of traffic generated by 125 different land uses or building types based on 3000 individual studies. You can specify the ITE rates or regression equations, or insert your own generation rates from local data. It is completely menu-operated and requires no user lookup of terminology, land use types or data.

Operating System:IBM PC/MS-DOS (256K)
Level Of Support: 7
Product Number:TRIPGEN
Price:$400

VisualTraffic

VisualTraffic is a new traffic assignment program that works with Excel 5.0 for Windows or Macintosh. It is based on manual methods of forecasting that help the user visualize the network. VisualTraffic allows diversity an relieves the user from designing spreadsheets.

Operating System:IBM PC/MS-W95 or Macintosh
Required:Excel 5.0
Level Of Support: 7
Product Number:VTRAF
Price:$150
Lite Product Number:VTRAFLT
Price:$5

Traffic Assignment Spreadsheet System, Ver. 2.0

WinTASS is a site impact analysis tool to organize and automate the traffic assignment process and provide HCS planning level capacity analysis in the Windows environment. It is designed for small-area site impact studies with a maximum of 99 sites, 99 intersections and 99 external stations.
Operating System: IBM PC/MS-DOS 3.3+
Required: Lotus 1-2-3 releases 2.2, 2.3, or 2.4

Level Of Support: 7
Product Number:WINTASS
Price:$295
Demonstration Product Number: WINTASS.DEM
Price:$5

General Interest Administration

The Equipment Manager™, Ver. 1.51

The Equipment Manager™ is an equipment inventory and management tool designed for the small to medium size Public Works Department. The software will maintain a complete inventory of all types of equipment, as well as all parts on hand. Includes automatic Preventative Maintenance scheduling at intervals, set by mileage, hours, fuel usage, and date of maintenance.tc “The Equipment Manager(tm) is an equipment inventory and management tool designed for the small to medium size Public Works Department. The software will maintain a complete inventory of all types of equipment, as well as all parts on hand. Includes automatic Preventative Maintenance scheduling at intervals, set by mileage, hours, fuel usage, and date of maintenance.”

Operating System: IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:EQMGR
Price: $1495

FINDER, Ver. 1.0

The FINDER is a general purpose program for rapidly locating products or resources which fall into specific categories and match keywords. This SSFinder you are using is an example. This development Ver.sion allows you to customize your own data base for any commodity or resource.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 1
Product Number: FINDER
Price: $75

HIGHMANAGE System, Ver. 6.00

This program is for the daily input of data in a Highway or Public Works Department offering you record keeping in distinct areas within the department. Keeping a history of each employee in areas of hours, duties and time remaining, are but a few of the features of this program. It generates reports on employees and monthly activities.

Operating System:IBM PC/MS-DOS 2.0+ dBASE III+
Level Of Support: 6
Product Number: HMNG
Price:$1500

DMPLAS
Is a 6K TSR that translates IBM/Epson printer output to HPLaserJet (PCL) standards and works with both text and graphics. It can reproduce formatted print both horizontally and vertically, or the vertical aspect can be shrunk by 10% to fit a 10" page. It can be a stand-alone mode to translate and print pre-formatted output. Supports graphics.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 4
Product Number:DMPLAS
Price:$5

Engineering Geometry Assistant, Ver. 1.3.0
EGAis used to solve geometric problems that engineers regularly encounter. Sketch a design graphically, then key-in the values. EGAlets you automate solutions to geometric problems in the same manner that spreadsheets handle design calculations. In EGA, elements remember how they were created. Locate a point at the intersection of two lines, and it will adjust if either line changes. Elements can even annotate themselves. Since items retain their construction methods, entire design segments can be pasted into a new design, re-connecting their relationships to new alignments.

Operating System:MS Windows 95,Windows 98 and Windows NT
Level Of Support: 7
Product Number:EGA
Price:$350

McPrimer
McPrimer is a comprehensive text accompanied by a self-paced, self-scoring tutorial disk coVer.ing introductory PC topics. It gives a complete oVer.view of the Disk Operating System (DOS), including DOS 5.0, and an introduction to Lotus 1-2-3, word processing and database concepts. The tutorial disk allows users to move at their own pace, provides hints and quiz feedback.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 6
Product Number:MCP
Price:$20
Educational Product Number: MCP.ED
Price:$15

McPrimer for Windows
McPrimer for Windows follows a similar format to McPrimer (for DOS). Its topics are written in an easily understood style, and are accompanied by many screen shots and graphics to clarify points made. Each chapter is followed by exercise questions (answers in the appendix) and hands-on exercises. McPrimer covers the essentials to navigate Windows many abilities.

Operating System:
Product Number:MCP.WIN
Price:$20

MetriCAD, Ver. 1.0
MetriCAD for DOS, V1.0, updates length and angular dimensions in existing engineering drawings to alternative engineering units. The software will revise any drawing issued to .DXF format, regardless of the drawing editor used to prepare the drawing. The MetriCAD package includes EditCAD, a simple utility for directly editing drawing text in .DXF files.

Operating System:IBM PC/MS-DOS 3.1+
Level Of Support: 7
Product Number:MCAD
Price:$90

MetriCAD for Windows, Ver. 1.0
MetriCAD for Windows Ver.1.0 offers interactive modifications and updating of dimensions in any AutoCAD compatible .DXF file. Dimensions expressed in English Units can be converted to Metric System and viceversa. The user has complete control over significant features. Comprehensive online help, and manual in Windows. Write format is included.

Operating System:IBM PC/MS-DOS 3.1+; Windows 3.1
Level Of Support: 7
Product Number:MCAD.WIN
Price:$125

Sample Size Estimates, Ver. 1.3
Sample Size Estimates allows the user to enter data about any set of variables. Then it reports the sample size required so the results are statistically valid.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 7
Product Number:SAMSIZE
Price:$50

YUKON! Ver. 1.0
Yukon.win is a ram-resident program which carries out over 6,250 engineering units conversion of the following types:length, area, volume, velocity, time, angles and density. Further, it supports the creation of customized unit-conversion files, and is the only program of its type with this feature. Also, the Yukon! package includes XEd V1.5, Expert Editor.

Operating System:IBM PC/MS-DOS 2.0+
Level Of Support: 7
Product Number:YUKON
Price:$30
Windows Product Number:YUKON.WIN
Price:$50

ZTEST
ZTESTis a program that incorporates the statistical test for difference of proportions. It has many applications and is used to compare proportions from two samples to determine if the difference is statistically different.

Operating System:IBM PC/MS-DOS 2.1+
Level Of Support: 7
Product Number:ZTEST
Price:$65

References

1 50 percent discount for universities (must be university P.O. or check).
2 These MVA systematica prices apply to purchase and use within North America only. Orders from outside North America cannot be accepted. Please contact McTrans for overseas prices.
3 This product has other applications beyond the category in which it is listed. Check the catalog for details.
Note Prices subject to change without notice. All versions are for PC-compatible, except Macintosh, noted as .MAC.

International Sales

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Shipping outside the U.S. and Canada can be handled in one of two ways:

1. For International Air Mail add 20 percent of the purchase price (but not to exceed U.S. $20) per product. This is the most economical method of shipment, with typical delivery times of two to four weeks.
2. For assured delivery via FedEx, add 25 percent of the purchase price (but not to exceed U.S. $25) per product. We suggest this as the speediest and safest delivery method. Delivery is approximately one week.

In the event that the carrier does not service your area, or if the actual shipping costs are significantly higher than estimated, **McTrans** will contact you. Please include a fax number if possible.

Import tariffs or customs charges are the responsibility of the purchaser. Shipping and handling fees will be withheld from reimbursements for returned or refused shipments.

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It is important to completely fill out the **McTrans** order form, even when you enclose your company or agency purchase order.
Most orders are shipped via UPS, so it is important to have a street address. UPS will not deliver to a post office box.
When ordering product upgrades, please be sure to include the registration number of the product being upgraded. Upgrades should be ordered by the registered user. This also applies to add-ons for the multiple license discount.
Problems with an order are rare, and most can be solved with a phone call. In the rare event that a product return is required, please obtain authorization before returning an order to **McTrans**.
Your order can be expedited by faxing a completed **McTrans** Order Form when you use a credit card or purchase order. Our fax number is (352) 392-3224. Or, contact **McTrans** for an E-mail order form: mctrans@ce.ufl.edu
If you require rush shipping via FedEx (Federal Express), we will try to ship on the same day, if the order arrives before 12 noon. This is not always possible, but we make every effort to expedite these orders.

Schedule of Selected Multiple & Agency User License Fees

Program[1]	Single License	Multiple License[2]	Limited Agency License Maximum Number of Offices 10	15	20	25	Unlimited Agency License
AAPEX	$200	$180	$1200	$1800	$2400	$3000	$4500
BOXCAR	125	110	750	1125	1500	1875	2800
BTS3	200	180	1200	1800	2400	3000	4500
CORFLO	350	315	2100	3150	4200	5250	7875
DILLY	300	270	1800	2700	3600	4500	6750
FINDER	75	65	450	675	900	1125	1625
FRIOP	75	65	450	675	900	1125	1625
HCS-3	500	450	3000	4500	6000	7500	11250
HDM-S	400	360	Note[4]	Note[4]	Note[4]	Note[4]	Note[4]
HDM-U	150	135	Note[4]	Note[4]	Note[4]	Note[4]	Note[4]
HYDRAIN	350	315	2100	3150	4200	5250	7875
MVRAP[5]	150	135	900	1350	1800	2250	3375
PASSER II	150	135	900	1350	1800	2250	3375
PASSER III	300	270	1800	2700	3600	4500	6750
PASSER IV	250	225	1500	2250	3000	3750	5625
PIPECAR	175	155	1050	1575	2100	2625	3925
PL-AID	500	450	3000	4500	6000	7500	11250
QUICK-7F	250	225	1500	2250	3000	3750	5625
QUICKHOV	250	225	1500	2250	3000	3750	5625
SCARS	350	315	2100	3150	4200	5250	7875
SET-SAND	50	45	300	450	600	750	1125
SHAFT	200	180	1200	1800	2400	3000	4500
SHAFTUF	200	180	1200	1800	2400	3000	4500
SCCOLD	75	65	450	675	900	1125	1625
SOAP	50	45	300	450	600	750	1125
TDM	250	225	1500	2250	3000	3750	5625
TEXAS	225	200	1350	2025	2700	3375	5000
TSIS	500	450	3000	4500	6000	7500	11250
TRANSYT-7F	500	450	3000	4500	6000	7500	11250
WHICH	250	225	1500	2250	3000	3750	5625

1 See catalog and product list for details.
2 Cost per license.
3 Limited Agency Licenses allow up to the specified number of copies to be used by the licensed agency.
4 Due to the nature of the HDM's single-user structure, the multiple license pricing provides for one fully supported license at a 10 percent discount ($360) and all subsequent copies are unsupported licences at $135 each. For agency licenses, the agency copy of the software is fully supported, but redistribution copies are not. Documentation, including the HDM-PC User's Manual, and Volumes 1 & 2, will be distributed in accordance with general policy.
5 Does not include cables, which are available for $20 each.

Documents:
Single license = full price
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Agency license = one provided, additional copies at 10 percent discount with the original order, or later with a minimum of five documents.

McTrans Order Form*

McTrans Center
University of Florida
512 Weil Hall
PO Box 116585
Gainesville, FL 32611-6585
FEID# 59-6002052

(352) 392-0378
Messages 1-800-226-1013
Fax (352) 392-3224
E-mail: mctrans@ce.ufl.edu
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For **McTrans** use only:

ORDER NO.

DATE RECEIVED

MEMBER NO.

Ship to:

MEMBER NUMBER (IMPORTANT)

E-Mail Address

NAME TITLE

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ADDRESS (**Do Not Use P.O. Box Number**)

CITY, STATE, ZIP

( ) ( )
PHONE FAX

☐ CHECK IF NEW ADDRESS OR NEW MEMBER

Bill Purchase Order To:

FIRM NAME

ATTENTION

ADDRESS

CITY, STATE, ZIP

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New Members: Please specify areas of interest

☐ Highway design, pavements, bridge design and hydraulics
☐ Safety and accident records
☐ Traffic engineering
☐ Urban transportation planning
☐ Environmental (air, water and noise analysis)
☐ Construction management
☐ Maintenance
☐ Transit
☐ Surveying and photogrammetry

No.	Product No.	Description (Include Registration No. for Upgrades & Add-ons)	Quantity	Unit Cost	Total Cost
1					
2					
3					
4					
5					
6					
7					
8					
9					

Use additional copies if needed.

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☐ Check enclosed. No. _____
payable to University of Florida-**McTrans** Center
U.S. dollar checks drawn on U.S. banks, or money orders, please.

☐ VISA/MC No. _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
Expires _ _ / _ _
Name as it appears on card _____

☐ Purchase Order **Enclosed**. No. _____
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☐ If you wish us to ship by FedEx (only) include your FedEx No.

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Thank you for your support.

Subtotal _____

OUTSIDE U.S. & CANADA Estimated Shipping: 25% (Maximum $25 per item) _____

FLORIDA CUSTOMERS ONLY: add 6% sales tax plus county surtax, or your FL Tax Exempt No.

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Order Processing Fee $10.00

Total amount enclosed* _____

*Orders **will not** be accepted without this form (copy is OK) and an approved method of payment for the proper amount, including Order Processing Fee.